Student Name _____

Teacher Name _____

School _____

System _____

MAAS

TENNESSEE

Tennessee Comprehensive Assessment Program
Modified Academic Achievement Standards ~ Grade 8
Practice Test

Table of Contents

Introduction

What is the TCAP Modified Academic Achievement Standards Test?

The TCAP Modified Academic Achievement Standards Test is a multiple-choice test designed to measure student achievement in certain skills in four content areas: Reading/Language Arts, Mathematics, Science, and Social Studies. The questions in this practice test are examples of items used in the actual test.

What are the questions testing?

Questions are written to test student performance in state content standards. The State Content Standards and Performance Indicators were developed by the Tennessee Department of Education. These Standards and Performance Indicators are listed on the State Department of Education Web site at http://www.state.tn.us/education/curriculum.shtml.

Who is eligible to be tested?

1. Students with a disability who are on an active IEP are eligible to take the MAAS.

2. Eligible students may have a disability in any of the Federal disability categories. Note: The category Functionally Delayed is a State category, but a student cannot be excluded from participation in this assessment based on category of disability. A student whose disability is classified as Functionally Delayed is eligible to participate in this assessment if determined eligible by the IEP team, but the student will be considered a non-participant and his scores cannot be counted for AYP. **A student classified as Functionally Delayed taking the test would not count toward the 2% cap because he is considered a non-participant.**

3. It is the decision of the IEP team whether or not a student with a disability should be assessed with the MAAS.

How long will the tests take?

The length of the tests will vary, depending on the grade level. The time limits are generous and allow most students time to finish. Extended time limits only apply to students who are eligible for special or English Language Learner (ELL) accommodations.

How will the tests be scored?

The test answers will be machine scored. Results from the test provide information about how well students performed on the content being tested.

May calculators be used?

Calculators may be used on Part 1 and 2 of the mathematics portion of the TCAP Modified Academic Achievement Standards Test (grades 3–8) as per system policy.

Which test accommodations may be used?

The TCAP Modified Academic Achievement Standards Test may be administered using various procedures that are used during the student's daily educational program. Certain conditions must be met for students to be eligible for special and ELL accommodations.

What is the purpose of the practice test?

In a classroom learning session, these questions can be used to prepare students for the actual test. Teachers can use the practice test to help familiarize students with the format of test questions and how the actual test will be administered. This practice test can also be used to inform parents of the type of test their children will be taking.

Here are some tips for preparing students for the test.

Remind students to:

<u>Relax:</u> It is normal to be somewhat anxious before the test. Remember that the score is only one of a number of measures of performance.

<u>Listen:</u> Listen to and read the test directions carefully.

<u>Plan Use of Time:</u> First, answer all the questions you are sure about. Do not spend too much time on any one question. If a question seems to take too long, skip it and return to it later if you have extra time.

<u>Pause and Think:</u> If you are not sure how to answer a question, carefully read it again. Rule out answer choices that you know are incorrect and then choose from those that remain.

Directions   Read the drama. Then answer Numbers 1 through 6.

The Lunchroom Incident

CHARACTERS:
JESSE and MARIO, each 14 years old
CHRIS, a classmate

(*Setting: The lunchroom of a middle school.*)

At Curtain Rise

(*JESSE and MARIO walk into a crowded lunchroom. JESSE wears a book bag on his back.*)

JESSE: Lunchtime! Finally! I'm starving!

MARIO: Me too. By the time 12:30 comes along, all I can think of is food. I'm so hungry that I feel like I haven't eaten in a year!

(*JESSE and MARIO join a long lunch line.*)

JESSE: (*JESSE digs furiously through his book bag.*) Oh, no. I just remembered that I left my baseball cap on the floor near my locker. Can you hold my place for a minute? I'll be right back.

MARIO: The other kids won't like that. They'll think you're breaking into the line.

JESSE: Here, I'll leave my bag. When the line moves up, just push my bag forward as if it's me. (*JESSE puts his book bag on the floor in his place and leaves.*)

Go On ▶

(*CHRIS joins the end of the line behind MARIO and taps MARIO on the shoulder.*)

CHRIS: Aren't you going to move ahead?

MARIO: What? Oh, yes.

(*MARIO takes a step forward in line. He pushes JESSE's book bag forward with his foot. A minute later, JESSE returns and picks up his bag.*)

CHRIS: Hey! What's going on?

JESSE: Nothing.

CHRIS: Nothing? I think it's something. You're breaking into the line!

JESSE: I didn't break into the line. I was in line all along. I just stepped away for a minute.

CHRIS: No, you weren't! You weren't here when I walked up.

JESSE: I may not have been here, but my book bag was in my place. Didn't you see my book bag?

CHRIS: Yes, I saw a book bag on the floor. However, **you** weren't here. All I know is I was standing in line, waiting my turn like everyone else, and you just barged into line ahead of Mario.

MARIO: Actually, no. He didn't barge in. He was here before. He had to get his cap.

JESSE: Yes, my cap. See? (*JESSE holds up the cap in his hand.*) I left my book bag in my place. It was only for a minute.

CHRIS: You can't leave a book bag to hold your place. You need a person. Can your book bag eat lunch?

MARIO: I'm the person holding his place. I was holding his place and moving the book bag forward as if Jesse were still here.

CHRIS: But you're not Jesse. It looks to me as if Jesse is breaking into the line. So, Jesse, take your book bag and go to the **end** of the line.

MARIO: We don't need any problems. I have an idea.

CHRIS: Make it a good one.

MARIO: Chris, what's your favorite dessert?

CHRIS: Chocolate cake.

MARIO: Chocolate cake . . . real tasty. Is that what you're going to order?

CHRIS: Probably. Or maybe I'll have some chocolate pudding. I like that too.

MARIO: Chocolate cake and chocolate pudding. They are both delicious. I bet you wish you could have them both, don't you?

CHRIS: Yes, sometimes.

MARIO: The problem is that you can only order one. Now, here's what I suggest. I'll bet that if you order chocolate cake, Jesse will order chocolate pudding and split it with you. Right, Jesse? So you'll have half cake and half pudding. And so will Jesse. If you let Jesse back in line where he actually belongs, he'll share his dessert with you. And you'll share yours with him. Fair enough?

CHRIS: I think that's fair.

MARIO: And that means we'll all sit at the same table. After all, if you are sharing dessert, it helps to sit at the same table, right?

CHRIS: True. Okay, Jesse, you can get back in line.

(*JESSE gets in line.*)

MARIO: Everybody wins, except me, of course. No one will be sharing dessert with me.

<div align="center">

CURTAIN

</div>

1 **Read this excerpt from the drama.**

> **MARIO:** The other kids won't like that. They'll think you're breaking into the line.

The author uses this excerpt to

A flashback to a previous problem in the drama.

B create symbolism within the drama.

C foreshadow the conflict in the drama.

2 **One trait this drama has in common with a nonfiction article is that both**

F describe events.

G include characters.

H contain a lesson.

3 **Read this excerpt from the drama.**

(*CHRIS joins the end of the line behind MARIO and taps MARIO on the shoulder.*)

CHRIS: Aren't you going to move ahead?

MARIO: What? Oh, yes.

(*MARIO takes a step forward in line. He pushes JESSE's book bag forward with his foot. A minute later, JESSE returns and picks up his bag.*)

CHRIS: Hey! What's going on?

Which plot element do these lines illustrate?

A climax

B exposition

C rising action

4 **Based on his solution to the <u>main</u> conflict in the drama, choose the <u>best</u> description of Mario.**

F critical

G reasonable

H forceful

5 **Complete the analogy based on the drama.**

Trio is to three as single is to _____.

A baseball

B one

C album

6 **Read this excerpt from the drama.**

CHRIS: True. Okay, Jesse, you can get back in line.

(*JESSE gets in line.*)

MARIO: Everybody wins, except me, of course. No one will be sharing dessert with me.

These last lines suggest the boys have

F solved their argument.

G another good reason to quarrel.

H chosen to eat with other friends.

Make Your Own Yogurt

1   Using just a quart of milk and a little plain, unflavored, unsweetened yogurt that contains live bacteria, you can make your own yogurt at home.

2   Pour the milk into a pan with a thick bottom and heat it over a low burner, stirring constantly to prevent burning. Use a candy thermometer to watch the temperature rise. This kind of thermometer is also useful for making candy.

3   Be careful not to let the milk boil. Watch for the temperature to reach 170 – 195°F. Then remove the pan from the heat. Let the milk cool to 105 – 120°F, then stir in 4 tablespoons of the yogurt until it is thoroughly mixed.

4   Pour the mixture into clean containers, cover them with lids, and set them in an ice chest. Place pitchers of hot tap water in the ice chest too, to help maintain the heat inside the ice chest.

5   Close the chest and avoid disturbing it for 6 – 8 hours, keeping the lid closed as much as possible to keep heat from escaping.

6   _____, the yogurt will turn partly solid. When this happens, it is ready to refrigerate. Place the containers in the refrigerator.

7   After the yogurt has gelled a little more, you have a chance to be creative in creating your own flavors: mix in berries or other fruit, granola or other crunchy cereal, nuts, coconut — use your imagination!

7 Read Paragraph 7.

> After the yogurt has gelled a little more, you have a chance to be creative in creating your own flavors: mix in berries or other fruit, granola or other crunchy cereal, nuts, coconut — use your imagination!

Which is the best concluding sentence for this paragraph?

A Making your own yogurt is a fun way to save money and have a good supply of healthy snacks.

B It is important to see how many extra ingredients can be added to the yogurt.

C There are times when people prefer to eat something besides yogurt.

8 Read Paragraph 6.

> _____, the yogurt will turn partly solid. When this happens, it is ready to refrigerate. Place the containers in the refrigerator.

Choose the word that best fills in the blank at the beginning of the sentence.

F While

G Soon

H Eventually

9   Read Paragraph 2.

Pour the milk into a pan with a thick bottom and heat it over a low burner, stirring constantly to prevent burning. Use a candy thermometer to watch the temperature rise. This kind of thermometer is also useful for making candy.

Which sentence is irrelevant to the paragraph and should be left out?

A   Pour the milk into a pan with a thick bottom and heat it over a low burner, stirring constantly to prevent burning.

B   Use a candy thermometer to watch the temperature rise.

C   This kind of thermometer is also useful for making candy.

10   Read these sentences from Paragraph 3.

Watch for the temperature to reach 170 – 195°F. Then remove the pan from the heat.

Choose the <u>best</u> way to combine these sentences without changing the meaning.

F   Watch for the temperature to reach 170 – 195°F, but remove the pan from the heat.

G   When the temperature reaches 170 – 195°F, remove the pan from the heat.

H   While watching for the temperature to reach 170 – 195°F, remove the pan from the heat.

Clutch of Stars

by Lauren Young

Running barefoot
Through night,
I catch fireflies
Between my palms.

5 Bright as stars,
They swirl
Like constellations
Through heaven.

My fingers reach
10 For true stars,
Tiny as fireflies
Flown too high.

I close my eyes
On a jar of lights,
15 Leading my way
To starlit dreams.

Wondering on the Stars

by David L. Harrison

Stars so bright they lift your eyes,
light the night above the trees.
I haven't seen the Milky Way in years.
Tonight the sky is wearing it
5   as a sash.

Our boat disturbs monkeys
who raise a ruckus until we pass
and prove to them their work is done.

Along the banks
10 insects drone the family business,
frogs duel with shrill piping,
all things follow custom,
according to ancient plan.

Far above, blinking lights
15 inch across the sky.
People up there are dozing,
reading, chatting, unaware
the jungle sprawls
below their magazines.

20 In darkened huts, do . . . children
dream of flying among the stars
to magic kingdoms far beyond the river?
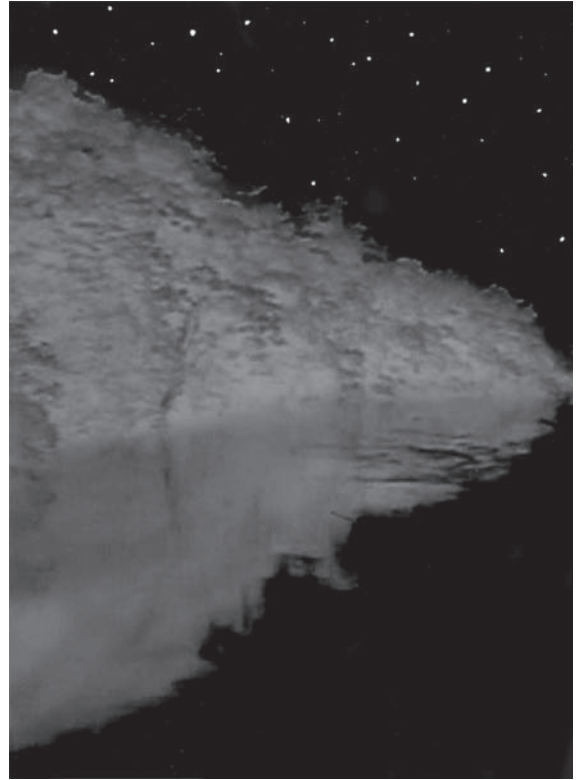
11 How would "Clutch of Stars" <u>most likely</u> change if it were written from a third-person point of view?

A The ending would be more dramatic.

B There would be a description of the speaker.

C More scientific terms would be used.

12 Read Lines 6 through 8 from "Clutch of Stars."

> They swirl
> Like constellations
> Through heaven.

The poet compares the fireflies to moving stars by using

F an idiom.

G a pun.

H a simile.

13 Read this stanza from "Wondering on the Stars."

> Far above, blinking lights
> inch across the sky.
> People up there are dozing,
> reading, chatting, unaware
> the jungle sprawls
> below their magazines.

The poet <u>most likely</u> uses this stanza to

A contrast the modern world to the natural world.

B provide information about stars in the sky.

C explain how to travel to faraway places.

14 The point of view in "Wondering on the Stars" is first person because the speaker

F tells what he sees, hears, feels, and thinks.

G describes his actions and the animals he sees.

H shares the experiences of some children.

15 The poet's description of the animals in "Wondering on the Stars" is used as symbolism to

A remind the reader about the rhythm of everyday life.

B provide information about the types of wildlife in the jungle.

C compare the sounds of mammals to the sounds of insects.

16 Which of these do both "Wondering on the Stars" and "Clutch of Stars" have in common?

F alliteration to make the poems sound playful

G repetition to emphasize the important ideas in the poems

H free verse to add colorful descriptions to the poems

17 Which of these themes is present in both of the poems?

A The wonders of nature exist in even the tiniest of creatures.

B Nature provides the perfect setting for a child's dreams.

C The effects of nature are timeless.

Go On ▶

Before 1920, American women were not allowed to vote. Susan B. Anthony was one of the people who worked to gain this important right. In 1872, Anthony was arrested and put on trial for voting.

Speech for the Defense

1   Gentlemen of the jury, I ask you to look at the defendant, Miss Susan Brownell Anthony. You will see a woman of outstanding character who cares deeply for law. This woman has committed no crime. All she did was exercise her right as a United States citizen. Should Miss Anthony be arrested and put on trial for performing her civic duty?

2   Allow me, Miss Anthony's lawyer, to read the charge against my client: Miss Anthony is accused of "knowingly, wrongfully, and unlawfully" voting for a member of Congress "without having a lawful right to vote . . . being then and there a person of the female sex." This charge is ridiculous.

3   The prosecution says Miss Anthony broke the law because it is illegal for a woman to vote. We know this is simply not true. Miss Anthony's vote was legal. Four years ago, Congress ratified the Fourteenth Amendment to the United States Constitution. This states that "all persons born and naturalized in the United States . . . are citizens of the United States," and are entitled to the same privileges. The states must provide "equal protection and due process of the laws" to every American citizen. Miss Anthony was born in Massachusetts. She is an American citizen. Therefore, the state of New York, where she now lives, must grant her the same rights as they do all American citizens, including the right to vote.

4   Furthermore, the prosecution has argued that Miss Anthony knowingly and willfully broke the law in order to draw attention to her views about women's rights. This is also untrue. Prior to casting her ballot, Miss Anthony consulted Judge Henry Selden. Judge Selden can tell you that he carefully considered the law. He concluded that Miss Anthony was as authorized as any man to vote in the election and told her so. She had a right. When Miss Anthony cast her vote, she certainly did not think she was breaking the law.

5   The sad truth is Miss Anthony is on trial only because she is female! If she were a man, we would not be here today. We would praise her for honorably doing her part to protect democracy in our country. Her action would be innocent. Does this action become dishonorable simply because it was carried out by a woman? Of course not!

6   It is wrong to prosecute a citizen of the United States for trying to do her duty. It is wrong to put Miss Anthony on trial because she is female. Women make up half of the population of this country. They work as hard as any man, and they deserve to have their voices heard. It is unfair to expect any citizen of a country to obey laws which they did not agree to make. The Revolutionary War was fought because people did not want to be treated like second-class citizens! Why should women accept this kind of treatment?

7   Gentlemen of the jury, you have been given a rare opportunity to strike down injustice! Let me review. First, the Fourteenth Amendment guarantees the rights of all United States citizens, not just male citizens. Secondly, even if you interpret the law differently, Miss Anthony can only be innocent since she believed she was exercising her rights and was not just ignoring the law. Thirdly, please consider the foolishness of trying a person in a court of law just because she is female.

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**Susan B. Anthony
1820 – 1906**

8   Miss Anthony harmed no one. She **voted**! Let's send a clear message that we will uphold the noble principles of our nation. Exercise your civic duty and find Miss Anthony innocent!

Thank you.

Go On ▶

18 Read this excerpt from Paragraph 2.

> . . . Miss Anthony is accused of "knowingly, wrongfully, and unlawfully" voting for a member of Congress "without having a lawful right to vote . . . being then and there a person of the female sex." This charge is ridiculous.

In these sentences, which persuasive device is the speaker using?

F testimonial

G name-calling

H loaded words

19 Read these sentences from Paragraph 4.

> Judge Selden can tell you that he carefully considered the law. He concluded that Miss Anthony was as <u>authorized</u> as any man to vote in the election and told her so. She had a right.

What does the word <u>authorized</u> mean?

A skilled

B allowed

C needed

20 To keep the audience engaged, the speaker should

F make eye contact.

G shout in a loud voice.

H read directly from note cards.

21 **Which source about Susan B. Anthony is a primary source?**

   A   a diary written by her

   B   a biography written about her

   C   an encyclopedia article written about her

22 **Which detail from the speech <u>most</u> supports the <u>main</u> point that women should be able to vote?**

   F   Someone born in a state is a citizen of the United States.

   G   Half of the population of the U.S. is made up of females.

   H   The Fourteenth Amendment guarantees rights for everyone.

23 **The information in the speech is organized by**

   A   stating Miss Anthony's problem and offering a solution.

   B   listing topics of discussion about Miss Anthony in sequential order.

   C   presenting arguments for and against Miss Anthony.

24 **A class is going to do a mock trial about Susan B. Anthony's court case. Groups must research and prepare information that would be presented during the trial. Which strategy is <u>not</u> appropriate for working together in a group?**

   F   taking turns listening and speaking to each other

   G   writing down ideas that are personally interesting

   H   asking questions that help the group meet its goal

25 **Who is the audience for this speech?**

   A   a group of lawyers

   B   jurors for the trial

   C   a judge for the trial

26 **Jerome wants to learn more about Susan B. Anthony. The <u>best</u> source of information about her would be a**

   F   Web site for women's rights issues.

   G   history book about women's rights.

   H   newsletter from a women's rights organization.

27 **The <u>main</u> purpose of this speech is to**

   A   persuade a group to make a decision.

   B   provide information about a historic event.

   C   entertain others with a performance.

September 19, 2008

Dear Ms. Johanssen:

(1) I recently read on the Clarendon Middle School Web site that you are looking for an eighth grade editor for the *Clarendon Courier*. (2) I believe I have many qualities and skillz that would bennifit our school newspaper. (3) I hope you will consider me the more qualified person for this job.

(4) First of all, I have been writing for school newspapers since I was in third grade. (5) At Oak Street Elementary School, I wrote many articles for the *Acorn*, including one on Mrs. James' afterschool homework program. (6) As you know the *Courier* has printed many of these articles as well. (7) In fact, you even complimented me last year on my article called "Arbor Day: Don't Get Leafed Out!" (8) You said you were impressed by my play on words.

(9) I am also an extremely serious student; any of my teachers will tell you theirs. (10) I always turn in my homework assignments on time, and I am prepared for all class projects. (11) Therefore, I feel I can easily meet the deadlines for the newspaper. (12) In seventh grade, I joined the Quill Pens the middle school creative writing club and encouraged many other students to join. (13) I was even elected as club president! (14) As you can see, I am very dedicated to everything I do.

(15) In addition, I have some ideas. (16) I think these ideas would improve the *Courier*. (17) One idea would be to add a section about upcoming town events. (18) Many students attend activities taking place in our town, such as Clarendon Clean-Up Day, the annual book sale at Kensington Memorial Library, and the Tri-County Fair. (19) Why not have a section called "Community Corner" it could include upcoming town events in which kids are interested? (20) Not only would Clarendon students appreciate it, or also it might increase the number of volunteers for these projects.

(21) Thank you for considering me for the job of eighth grade editor of the *Clarendon Courier*. (22) If you choose me, I promise that I work hard to produce the best newspaper possible.

Respectfully,

Joel Gwon

Go On ▶

28 Read Sentence 2.

I <u>believe</u> I have many qualities and <u>skillz</u> that would <u>bennifit</u> our school newspaper.

Which underlined word is spelled correctly?

F believe

G skillz

H bennifit

29 Read Sentence 3.

I hope you will consider me the <u>more qualified</u> person for this job.

Choose the correct way to revise the underlined portion of this sentence.

A more qualifieder

B most qualified

C qualifiedest

30 Read Sentence 6.

As you know the *Courier* has printed many of these articles as well.

Choose the correct way to write this sentence using a comma.

F As you know, the *Courier* has printed many of these articles as well.

G As you know the *Courier*, has printed many of these articles as well.

H As you know the *Courier* has printed, many of these articles as well.

31 **Read Sentence 9.**

I am also an extremely serious student; any of my teachers will tell you <u>theirs</u>.

The <u>best</u> pronoun to replace the underlined word is

A   those.

B   these.

C   that.

32 **Read Sentence 12.**

In seventh grade, I joined <u>the Quill Pens the middle school creative writing club and</u> encouraged many other students to join.

What is the correct way to write the underlined part of the sentence?

F   the Quill Pens the middle school creative writing club, and

G   the Quill Pens, the middle school creative writing club and

H   the Quill Pens, the middle school creative writing club, and

33   Read Sentence 19.

Why not have a section called "Community Corner" it could include upcoming town events in which kids are interested?

Choose the best way to revise this run-on sentence.

A   Why not have a section called "Community Corner"? It could include upcoming town events in which kids are interested.

B   Why not have a section called "Community Corner;" it could include upcoming town events in which kids are interested.

C   Why not have a section called "Community Corner," and include upcoming town events in which kids are interested?

34   Read Sentence 20.

Not only would Clarendon students appreciate it, or also it might increase the number of volunteers for these projects.

Which word should replace the underlined word in the sentence?

F   but

G   either

H   nor

35 **Read Sentence 22.**

If you choose me, I promise that I <u>work hard</u> to produce the best newspaper possible.

Choose the correct way to write the underlined part of the sentence.

A worked hard

B will work hard

C going to work hard

36 **Read the paragraph below.**

My friends are going to the beach this Saturday. Everyone knows it is fun to go to the beach with your friends. They are going to go swimming and play volleyball. On their way home, they are going to stop for pizza. I'm going to ask my parents if I can go with my friends.

Identify the sentence from the paragraph that contains bias.

F My friends are going to the beach this Saturday.

G Everyone knows it is fun to go to the beach with your friends.

H They are going to go swimming and play volleyball.

37 **Choose the phrase that means "enthusiasm for a common cause."**

A esprit de corps

B alma mater

C faux pas

STOP ⬣

Directions Read the poem. Then answer Numbers 38 through 43.

Conestoga Heroes

by Alberta Haught
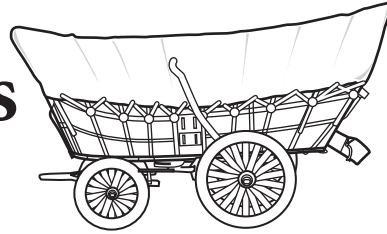
I never could remember dates
Of treaties, wars, and such.
Reciting lists of Presidents
Did not impress me much.

5 But stories of the pioneers
And settlers of this land?
Now, them I liked to read about,
That sturdy, stalwart[1] band.

The loaded Conestogas[2] rolled
10 Across the Western plains.
And many people traveled in
Those early wagon trains.

They came from homes in Tennessee,
And Pennsylvania too,
15 Left settled towns for untamed lands,
Where everything was new.

---

[1]**stalwart:** strong, robust
[2]**Conestogas:** covered wagons of the 1800s

How hard they worked to clear their farms!
They reared[3] their children there.
The men built homes, the women cooked,
20 And sewed warm clothes to wear.

They never chose to write their names
In books of history,
But I think all of these heroes
Lived lives of bravery.

---

[3]**reared:** took care of

38 **The term "sturdy, stalwart band" refers to a group of people who were**

F eager to plan for the future.

G accustomed to long-distance travel.

H determined to accomplish their goals.

39 **Read these lines from the poem.**

The men built homes, the women cooked,
And sewed warm clothes to wear.

In these lines, the author stresses that the pioneers were

A self-reliant.

B creative thinkers.

C occupied.

Go On ▶

40 The pioneers had to "clear their farms" because they

  F were in a hurry to move elsewhere.

  G had moved to undeveloped land.

  H needed to have a safe place for children to play.

41 The conflict the pioneers faced was

  A person vs. self.

  B person vs. person.

  C person vs. environment.

42 Which line reveals the 1800s time period of the poem?

  F Of treaties, wars, and such.

  G Across the Western plains.

  H Lived lives of bravery.

43 The reader can conclude that the narrator

  A is unaware of events that took place long ago.

  B believes the pioneers acted with courage.

  C does not enjoy learning about the past.

Washed Away

1   Imagine spending hours, even days, creating a work of art, only to let the rain wash away all traces of it. A rare kind of artist will do exactly that, especially if he or she works with something as temporary as chalk.

2   Julian Beever is this kind of artist. Born in England, Beever started making chalk drawings after he graduated from art school. His first attempts were drawings with only height and width. The drawings were on public pavements, and some people liked them enough to give him pennies. Then one day, Beever was working in the city of Brussels and saw some street tiles being removed. He became interested in the idea of trying to create the depth of the tiles in his chalk drawings, so he tried drawing a woman in a swimming pool. Giving the feeling of depth in the picture was a challenge — until Beever discovered a secret.

3   Looking through a wide-angle camera lens allowed Beever to see a different, larger view. It has to do with how the brain estimates distance when only looking through one eye. Beever says, "It makes the brain believe stuff that it otherwise wouldn't believe." Beever soon realized that by keeping a camera on a tripod and checking every chalk mark he made, he could create images that appeared to have height, width, and depth.

4   Beever usually begins by drawing a miniature of his planned design. Then he outlines a scribble on the pavement by using a rope to help create the lines. After he draws the lines, Beever constantly walks back and forth to the camera between sketching. This can make his work quite tiring. It can take up to three or more days for Beever to complete a drawing.

5   Besides the challenges of actually making his chalk drawings, Beever's work depends on outside conditions. If he is working on a drawing in winter, there are not as many daylight hours for work. If it is cold, windy, hot, or humid, Beever simply has to struggle through whatever nature offers.

6   Then there are difficulties added by working in public places. Most artists work privately. Because Beever chooses to work in public areas, he is watched and questioned by bystanders. Some people even try to interrupt him to talk

Go On ▶

about current events or life in general. However, through any distraction, Beever remains focused and involved in his artistic project.

7   Since Beever's work is temporary and so unique, observers feel honored to witness his process or see the final product. However, there are some people who do not like Beever's work because it is drawn in public places. A few have called it "graffiti." Beever doesn't mind, though. He believes that art is for the people. He says, "Art shouldn't be locked away in galleries and libraries and books." Beever is fascinating to watch, whether he is drawing a dragon to celebrate the Chinese New Year or creating a scene of New Orleans. In fact, most people are excited to watch or wait for the final product.

8   Beever's three-dimensional chalk images often amaze people. Once Beever drew potholes on the pavement that looked so real drivers drove around to avoid them!

9   Since his art is often washed or worn away over time, Beever has found a solution for creating something more lasting — a camera. The photographs he takes of his street art are permanent records of his creations. The photographs also allow a whole new audience to
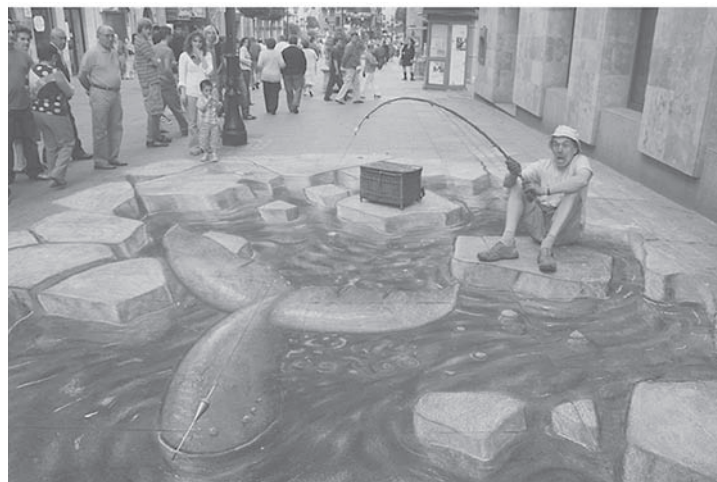
© 2007 by Julian Beever. Used by permission.

experience them, thanks to the Internet. The Internet acts as an art gallery where huge numbers of people can admire Beever's work anytime, from anywhere in the world. For an artist who believes art should be available to everyone, Julian Beever has found a wonderful way to achieve his goal of reaching many people with his chalk creations.

44 **Read this sentence from Paragraph 1.**

A rare kind of artist will do exactly that, especially if he or she works with something as <u>temporary</u> as chalk.

The word <u>temporary</u> describes the

F brightness of the chalk colors.

G difficulty in using chalk.

H length of time the chalk will last.

45 **Read the instructions.**

1. Make an outline of the sketch on the pavement.
2. Draw a sketch of his ideas on paper.
3. Make adjustments to the outline until complete.
4. Check sketch on pavement through the camera lens.

Choose the correct order to complete the steps that Beever uses.

A 1, 4, 3, 2

B 2, 1, 4, 3

C 4, 3, 1, 2

46 **Which question is answered in the passage?**

F How does Julian Beever feel about sharing his work with others?

G How many chalk drawings has Julian Beever created?

H At what age did Julian Beever know he was going to be an artist?

47 **Which event made Beever change his style of art?**

    A using ropes to make lines

    B seeing tiles removed from a street

    C working in front of an audience

48 **Beever uses a wide-angle camera lens while working to**

    F allow people to see what he is creating while he works.

    G create the illusion with height, width, and depth.

    H capture images of the process he uses to create his drawings.

49 **After reading this passage, a student wants to learn more about optical illusions. Choose the book that would provide the best information.**

    A Bloom, Harold J. The First Eye Doctors. London: Brit, Inc., 1962.

    B Andres, Carla. The Science of Tricking the Eye. Philadelphia, PA: Newton Press, 2001.

    C Chang, Elliot. A Guide to Better Vision. Sydney, Australia: Down Under Publishing, 2006.

50 Look at the photograph of Julian Beever's art.

© 2007 by Julian Beaver. Used by permission.

Based on the photograph, the reader can infer that the artist is

F playful and wants to interest his audience.

G focused and anxious to start new projects.

H daring and likes to be thought of as carefree.

51 Choose the sentence from the passage that is an <u>opinion</u>.

A Born in England, Beever started making chalk drawings after he graduated from art school.

B After he draws the lines, Beever constantly walks back and forth to the camera between sketching.

C Beever is fascinating to watch, whether he is drawing a dragon to celebrate the Chinese New Year or creating a scene of New Orleans.

Go On ▶

52 Which premise is <u>true</u>?

    F   If the school is closed, it is a weekend.

    G   If you own a dog, you do not own a bird.

    H   If you see the sun in the east, it is morning.

53 Which sentence uses <u>stationary</u> or <u>stationery</u> correctly?

    A   The <u>stationary</u> was blue with yellow flowers printed on it.

    B   The deer remained <u>stationary</u> at the edge of the meadow.

    C   The <u>stationery</u> weather provided perfect conditions for their flight.

54 Choose the sentence that is written correctly.

    F   Ricardo's car is out of gas.

    G   Virginias' piggy bank is full of pennies.

    H   The new childrens' book is easy to read.

55 Which sentence is written correctly?

   A   "Understanding Your Family" is an article by Perry Cosby.

   B   "Understanding Your Family" is an article by Perry Cosby.

   C   *Understanding Your Family* is an article by Perry Cosby.

56 Alberto is giving a presentation to his science class about grasshoppers. Choose the <u>most</u> effective method for keeping an audience's attention during the presentation.

   F   speaking clearly

   G   facing the teacher

   H   stopping to answer questions

1 Until 1952, babies received little attention after being born. The mother received most of the care after giving birth. Dr. Virginia Apgar was responsible for changing the medical care that newborn babies receive.

2 After 10 years, Apgar specialized further by working to control mothers' pain during the delivery of their babies. Apgar noticed that the newborn babies received little attention following delivery. No one checked the baby's health in the minutes after a baby's birth. Through careful study, Apgar developed a system to evaluate and score newborn babies' health.

3 Apgar entered medical school in 1929. At that time, there were few women in medicine. She was an excellent student and wanted to become a surgeon. She decided to switch to the new field of managing pain called anesthesiology. Eventually, the Anesthesiology Department at Columbia Presbyterian Hospital asked Apgar to be the first female department head at the hospital.

4 Apgar's system assigned the score of 0 to 2 points to different physical areas: appearance, breathing, muscle tone, color, and reflexes. Babies who received a "2" in each area were in good health. Those receiving a "1" in some areas needed extra help. Babies who received a "0" showed a need for intensive care.

5 Apgar's system was successful, and soon hospitals worldwide began using it. To honor Apgar, the test was named for her. Each letter of her name stands for one part of the test. Thanks to Dr. Apgar, newborn babies' medical care was made forever better.

57 **Where should Paragraph 2 be placed to create a more logical order to the passage?**

A before Paragraph 1

B before Paragraph 4

C before Paragraph 5

58 **Jaime creates a poster with the following information.**

    A for appearance
    P for pulse
    G for grimace (or response to touch)
    A for activity (or muscle tone)
    R for respiration

Which paragraph in the passage does this information support?

F Paragraph 2

G Paragraph 4

H Paragraph 5

59 **Which sentence is the <u>best</u> thesis statement for the passage?**

    A Dr. Virginia Apgar was responsible for changing the medical care that newborn babies receive.

    B After 10 years, Apgar specialized further by working to control mothers' pain during the delivery of their babies.

    C Eventually, the Anesthesiology Department at Columbia Presbyterian Hospital asked Apgar to be the first female department head at the hospital.

60 **Who would <u>most likely</u> be interested in reading this passage?**

    F people interested in the history of medicine

    G doctors who take care of new mothers

    H students studying to be doctors

61 **Choose the <u>best</u> title for this passage.**

    A Apgar Anesthesiology

    B Virginia Apgar: Working for Healthy Babies

    C Newborn Babies and Their Mothers

62 Which source about Virginia Apgar is a primary source?

   F an Internet site with information about the Virginia Apgar system

   G a personal interview with Virginia Apgar

   H a biography written about Virginia Apgar and her accomplishments

63 Look at the chart below.

Virginia Apgar

- Anesthesiologist
-
- Developer of the Apgar System

Which detail would <u>best</u> complete the chart?

   A Department head at Columbia Presbyterian Hospital

   B Good health equals 2

   C Appearance, breathing, muscle tone, color, and reflexes

Living Above the Boiling Earth
by Gail Jarrow

1   You know immediately that something strange is going on in the city of Rotorua. The air smells like rotten eggs. Plumes of steam rise from road drains. Peculiar crusts of yellow, white, and red cover the rocks. Mud puddles bubble. Rocks burn your hands. The ground vibrates as a hissing geyser spews hot water 100 feet into the air.

Hot underground gases bubble to the surface and cause mud to fly in the air.

2   Welcome to New Zealand's North Island, where the earth boils beneath your feet. This hot spot is part of the Ring of Fire, a circle of volcanoes and earthquake-prone areas that surrounds the Pacific Ocean. New Zealand sits above a crack between two enormous sections of the earth's outer shell, called plates. As the two plates slowly move together, the edge of one plate is pushed under the other, where it melts into hot molten rock. This molten rock heats rocks and groundwater lying above it, creating a thermal zone.
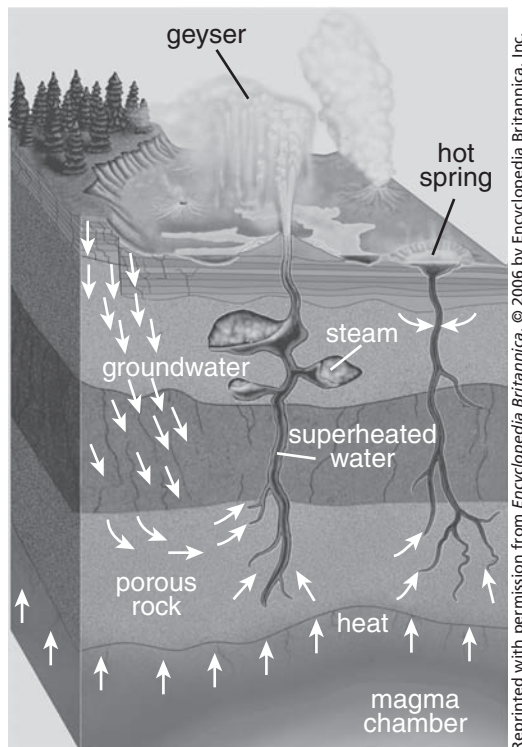
3   Underneath Rotorua lies a huge reservoir of steam and hot water heated by molten rock. The steam escapes into the air through cracks in the rocks. Scalding hot water rises to the surface through openings in the ground, forming hundreds of hot springs and geysers throughout the city.

**Magma Chamber: Cross Section of
Geyser and Hot Spring**

4   Minerals in the boiling water coat the ground near the hot springs and geysers with different colors — white from silica, red from iron, yellow from sulfur. The sulfur fumes tarnish silver and corrode electronic equipment such as televisions and computers. The sulfur gives Rotorua its rotten-egg smell. No wonder the city's nickname is "Rotten-rua"!

5   Rotorua may not sound like the ideal place to live. But people who make their homes in the thermal zone have adapted well. The first settlers, the Maori, arrived 600 years ago and built villages around the hot springs. They considered the thermal areas sacred treasures and sources of spiritual and physical comfort. The Maori used the hot water to wash and keep warm. They cooked their food by placing flax baskets full of meat and vegetables into steaming pools. Today, Maori in traditional villages still use the geothermal heat the same way their ancestors did.

6   Modern New Zealanders found a new use for the heat under their feet. Since the 1950s, they have produced electricity by drilling into underground pockets of steam, then piping the steam to electricity-generating plants where

Go On ▶

it turns turbines. Hot water from subterranean[1] reservoirs heats many homes and businesses, and homeowners bore the ground to obtain steam and hot water for washing, bathing, and swimming. In the 1980s, people noticed that increased extraction of steam and water from underground had reduced geyser activity. In order to preserve the unique thermal areas of Rotorua, the government closed many bores. Today a regional council oversees the use of geothermal resources. It limits new borings and prohibits drilling within a mile of Rotorua's major thermal areas — especially those considered sacred by the Maori.

7   The people of Rotorua have learned to live with the dangers of boiling earth. The ground in the thermal areas of Rotorua is so thin and hot that the early Maori settlers had to bury their dead in aboveground tombs. Walkers in hot spots must stay on marked paths, or risk crashing through the thin ground and tumbling into a pool of boiling water. For safety, houses are not built in known thermal areas. But sometimes the steam and hot water break through the ground in unexpected places, and a house must be abandoned. Imagine a geyser suddenly appearing in your front yard!

A geyser erupts in Rotorua.

---

[1]**subterranean:** underground, or below the surface

64 The organizational structure of Paragraphs 5 and 6 can <u>best</u> be described as

F comparison-contrast.

G cause-effect.

H problem-solution.

65 The caption under the <u>first</u> photograph helps the reader understand

A why mud is unusual in Rotorua.

B where hot mud can be found in Rotorua.

C what causes the mud to boil in Rotorua.

66 Which detail from the passage supports the main idea that people in Rotorua have found ways to use their environment to their advantage?

F They cooked their food by placing flax baskets full of meat and vegetables into steaming pools.

G Walkers in hot spots must stay on marked paths, or risk crashing through the thin ground and tumbling into a pool of boiling water.

H For safety, houses are not built in known thermal areas.

67 Which resource is <u>best</u> for finding more information about the moving plates under Rotorua?

    A   a Web site about the history of the Maori people

    B   an encyclopedia article about New Zealand

    C   a science fiction story about earthquakes

68 Based on the diagram in the passage, what makes a geyser erupt?

    F   the build up of steam that is trapped under the surface

    G   the amount of groundwater that seeps through porous rocks

    H   the source of irregular heat from the magma chamber

69 Look at this picture.

© KIBOU TAJIMA/amanaimages/CORBIS #02103010067

The items in this picture support the idea of

A   eating well.

B   saving money.

C   promoting recycling.

70 **Penny is organizing a presentation about her favorite meal. It will include the history and how to prepare the food. Choose the best way to organize the note cards for her speech.**

F name of the dish, history of the dish, why she likes it, how to prepare it

G history of the dish, how to prepare it, name of the dish, why she likes it

H why she likes it, name of the dish, how to prepare it, history of the dish

71 **Read these sentences.**

The cedar fencepost had grayed with age. As he cut into the fencepost, Sean was surprised that the wood still smelled as pleasant as if it had been cut the day before.

Choose a replacement for the underlined word to make the description more vivid.

A interested

B shocked

C troubled

72 Look at this picture.

© tomas del amo/Alamy #AYF18A

Which sentence **best** communicates the message presented by the picture?

F It is important to wash your hands before cooking.

G Vegetables add vitamins and minerals to a meal.

H Many people have fun cooking together.

73 Meilin is writing her boss to request a two-day vacation. Choose the **most** appropriate request.

A Because I worked so much overtime the last couple of weeks, I think I deserve Thursday and Friday to myself.

B With your approval, I would like to take Thursday and Friday off to attend a family event.

C With your approval, I plan to take off work Thursday and Friday to go camping and hiking with my family and some neighbors out by Fisher's Lake.

STOP 🛑

Mathematics

1 The graph below shows the temperature in Ryuta's backyard over time.
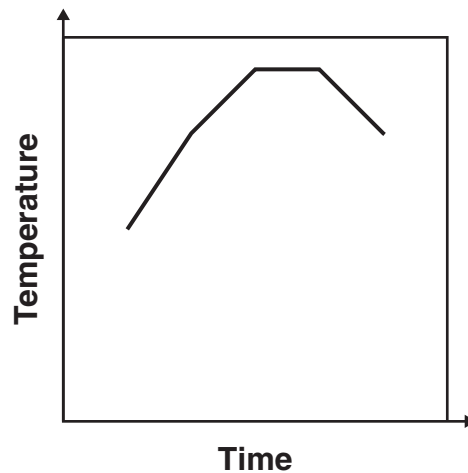
Based on the graph, which statement <u>best</u> describes the change in the temperature?

A It increased, then stayed constant, and then decreased.

B It decreased, then stayed constant, and then increased.

C It increased, then decreased, and then stayed constant.

2 Rhonda rode her bicycle 2.2 miles up a hill in 0.2 hour. What was her average rate of speed up the hill?

Distance = rate × time

F 2 miles per hour

G 4 miles per hour

H 11 miles per hour

3 Which function is nonlinear?

A $f(x)=5$

B $f(x)=3x$

C $f(x)=5x^2 - 2$

4 What is the value of this expression?

$$\frac{6 \times 10^{-3}}{2 \times 10^3}$$

F 3×10^0

G 3×10^{-6}

H 3×10^{-9}

5   William made this graph to model the flight of an arrow in the air.
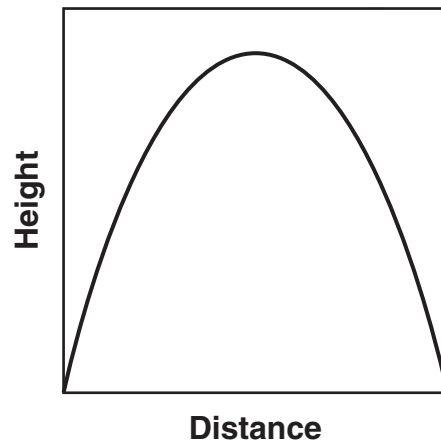
Based on this graph, which statement about the flight of the arrow is <u>true</u>?

A   The height of the arrow increased and then remained constant.

B   The height of the arrow decreased and then increased.

C   The height of the arrow increased and then decreased.

6   Which number is a rational number?

F $\dfrac{3}{14}$

G π

H $\sqrt{6}$

7 The table shows the coordinates of three points contained in the graph of a line.

x	y
0	3
1	5
2	7

What is the slope of the line?

A 4

B 3

C 2

8 Point *M* and Point *T* are shown on this grid.
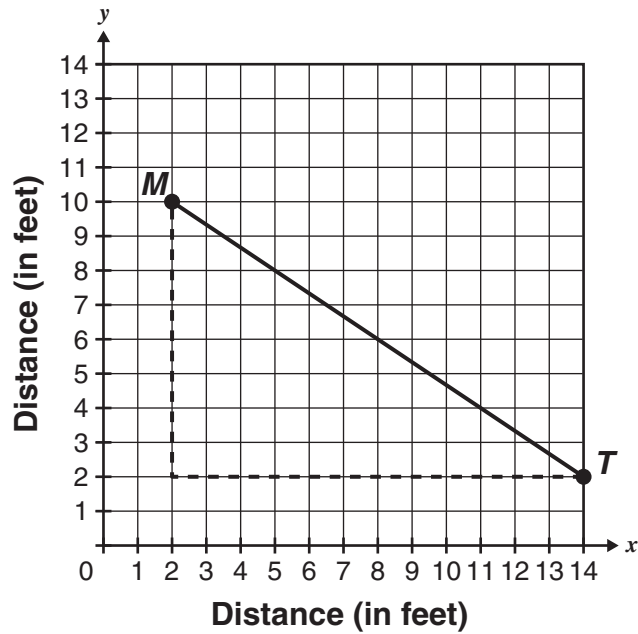
$$a^2 + b^2 = c^2$$

Which is closest to the distance between Points *M* and *T*?

F   20 feet

G   14 feet

H   9 feet

9 What value of *x* makes this equation <u>true</u>?

$$300 - 5x = 20x - 150$$

A $x = 18$

B $x = 10$

C $x = 6$

10 What is the value of y in the solution to this system of linear equations?

$$2x - y = 7$$
$$-x + 2y = 4$$

F 3

G 5

H 6

11 Shelley received the three cards shown below.

$$\sqrt{3} \quad 1.51 \quad 2$$

P   *R*   *S*

Which of these cards shows the <u>greatest</u> value?

A card *P*

B card *R*

C card *S*

12 Brenna built a skateboard ramp with the measurements shown below.

$$a^2 + b^2 = c^2$$
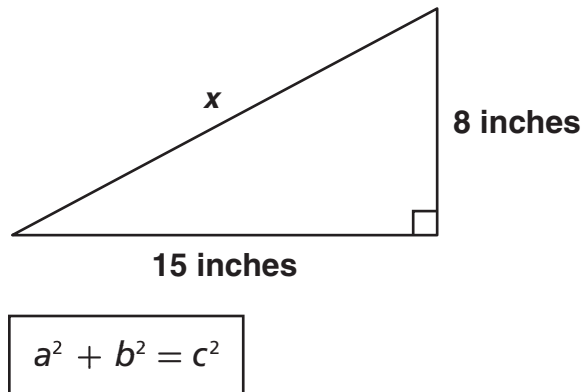
What is x, the length of the ramp?

F 13 inches

G 17 inches

H 23 inches

13 A brand new one-dollar bill is 4.3×10^{-3} inch thick. What would be the thickness of a stack of 200 brand new one-dollar bills?

A 0.86 inch

B 6.3 inches

C 8.6 inches

14 The ages and heights of a number of different plants of the same species are recorded on the graph.

Plant Growth
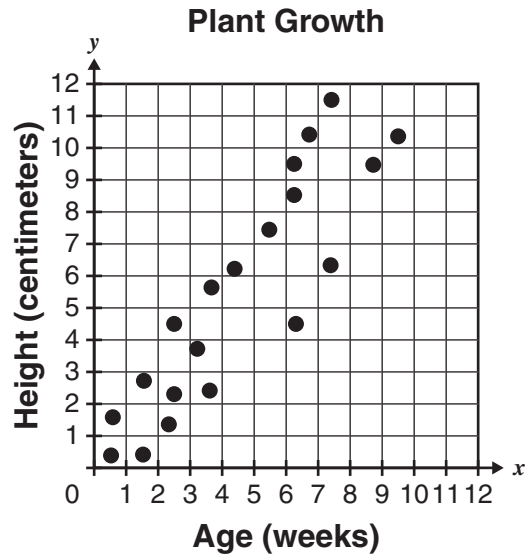
Which equation represents a line of best fit for this graph?

F $y = \dfrac{5}{6}x$

G $y = \dfrac{6}{5}x$

H $y = \dfrac{9}{5}x$

15 Which value <u>best</u> represents the location of Point *P* on the number line?

A $\sqrt{18}$

B $\sqrt{24}$

C $\sqrt{48}$

16 Mrs. Myer put congruent trapezoid-shaped tiles in her kitchen, as shown below.
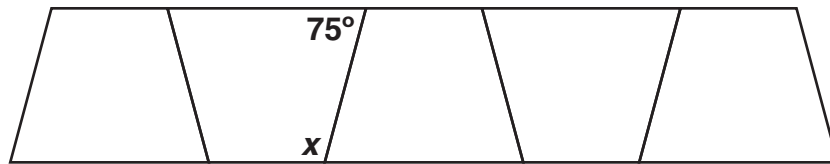
What is the measure of Angle *x*?

F   15°

G   75°

H   105°

17 Which graph displays a negative relationship over the entire data set?

A

B

C
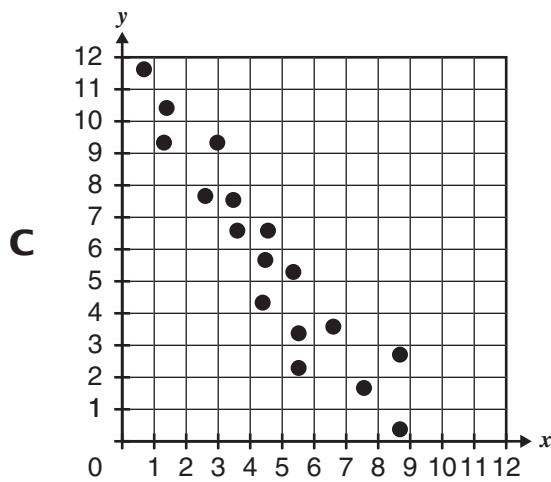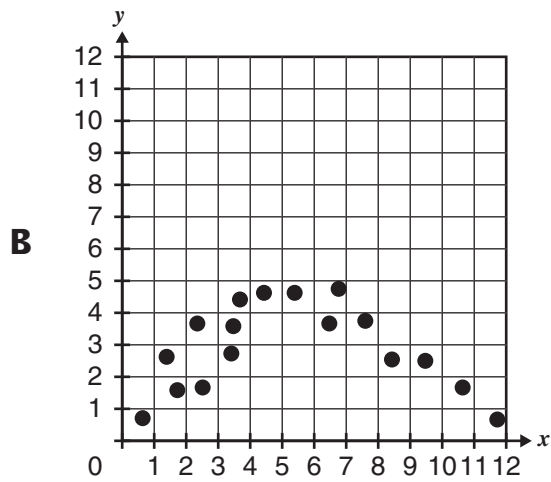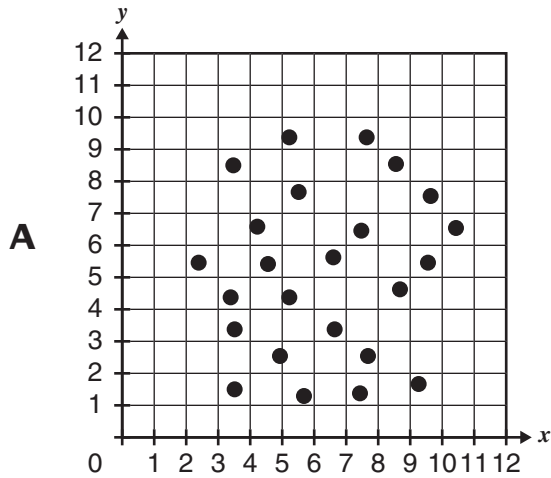
18 Look at the functions below.

$$f(x) = 5x$$
$$g(x) = 8x - 2$$
$$\text{Let } f(x) = g(x)$$

What is the value of *x*?

F $\dfrac{3}{2}$

G $-\dfrac{2}{3}$

H $\dfrac{2}{3}$

19 The grid below shows the graph of a linear function.
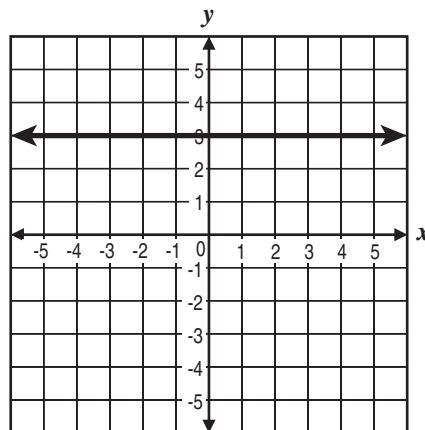
What appears to be the *y*-coordinate of the *y*-intercept of this graph?

A   3

B   0

C   −3

Go On ▶

20 Based on this graph, a student claims that Amy is significantly taller than Sarah.
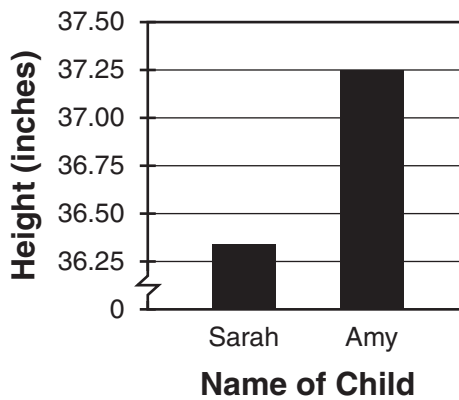
Which statement <u>best</u> explains why the graph is misleading?

F The graph is missing a title.

G The age of each girl is not given.

H The scale of the vertical axis is small.

21 Alfonso compared the price of tile at three stores. Which store sells the tile at the lowest price per tile?

A Store X sells 130 tiles for $221.

B Store Y sells 170 tiles for $255.

C Store Z sells 180 tiles for $288.

22 Parallel Lines *t* and *u* are cut by Transversal *v*, as shown in this diagram.
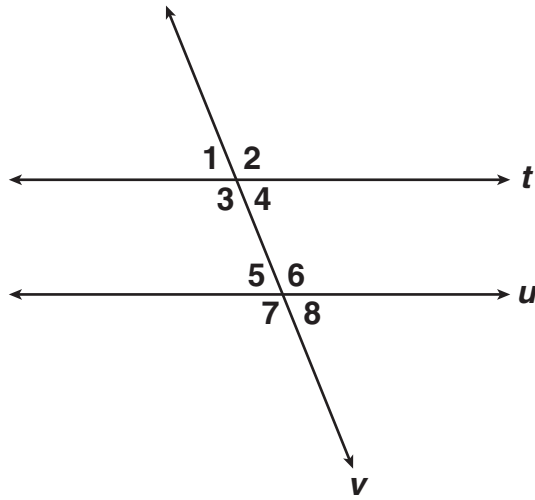
The measure of Angle 2 is 112°. What is the measure of ∠5?

F   68°

G 112°

H 248°

23 Which equation **best** represents this line?
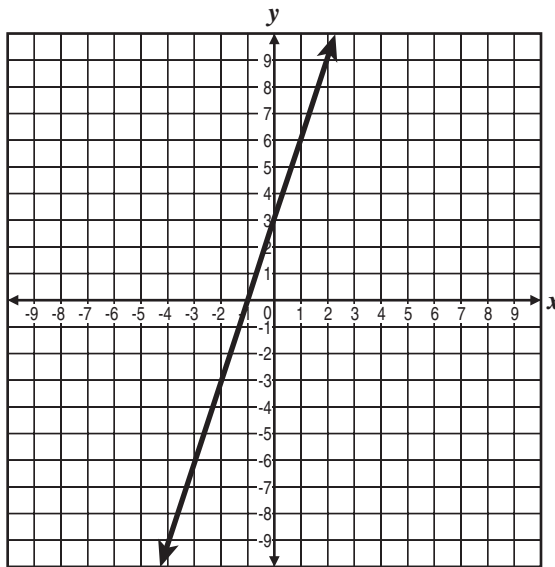
A $y = \dfrac{1}{3}x - 3$

B $y = -3x + 3$

C $y = 3x + 3$

24 What is the value of $\dfrac{(8.4 \times 10^{36})}{3 \times 10^{9}}$?

F 2.8×10^{4}

G 2.8×10^{27}

H 2.8×10^{45}

25 What is the slope of the line that passes through the points $(0, 2)$ and $(4, 10)$?

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

A 2

B 4

C 8

26 The table below shows the approximate populations of two continents.

Populations of Continents

Continent	Approximate Population
Asia	4.052×10^9
Europe	7.36×10^8

Which is closest to the total number of people who live on these two continents?

F 4.79×10^{17}

G 4.79×10^9

H 4.79×10^1

STOP ⬮

27 Henry is practicing for a swim meet. Three of his practice results are shown in the table.

Henry's Results

Distance (in meters)	Time (in seconds)
100	130
200	184
400	345

Distance = rate × time

For which distance did Henry swim at the fastest rate?

A 100 meters

B 200 meters

C 400 meters

28 Jamal competed in a high-jump competition. The results of his jump attempts are shown below.
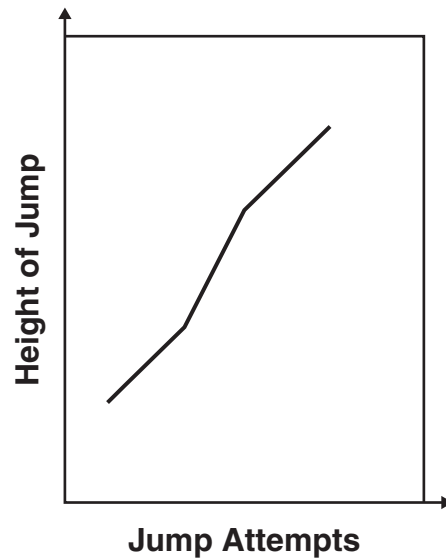
Based on the graph, which statement <u>best</u> describes the pattern in his jump attempts?

F The heights steadily decreased with each attempt.

G The heights steadily increased with each attempt.

H The heights stayed constant and then increased with each attempt.

29 Which term identifies this equation as a nonlinear function?

$$4x + 2y^3 = 5$$

A $4x$

B $2y^3$

C 5

30 Simplify:

$$(1.36 \times 10^4)(2 \times 10^2)$$

F 2.72×10^6

G 2.72×10^5

H 2.72×10^1

31 Which graph shows a line that appears to have a *y*-intercept at $(0, -3)$?

A

C

B
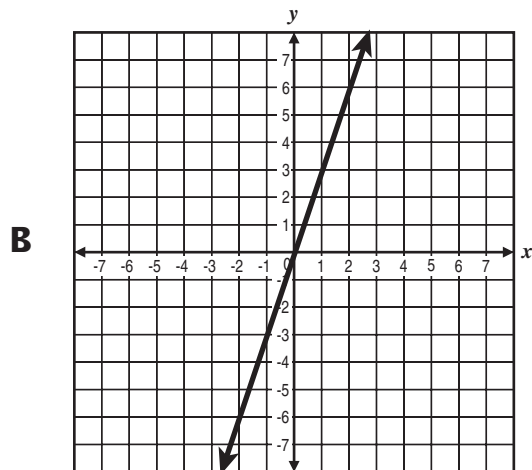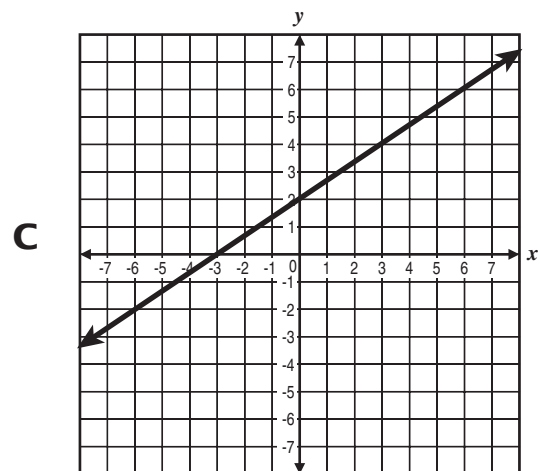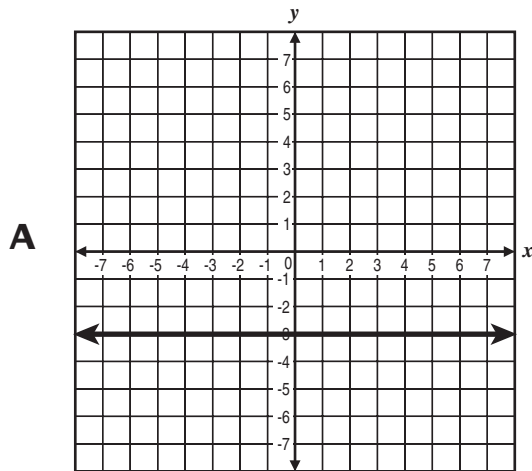
32 Which number is an irrational number?

F -1

G 0.212

H $\sqrt{8}$

33 What is the slope of the line represented by this equation?

$$2x + y = 3$$

A -2

B $-\dfrac{1}{2}$

C 2

34 A triangle is shown on the grid below.
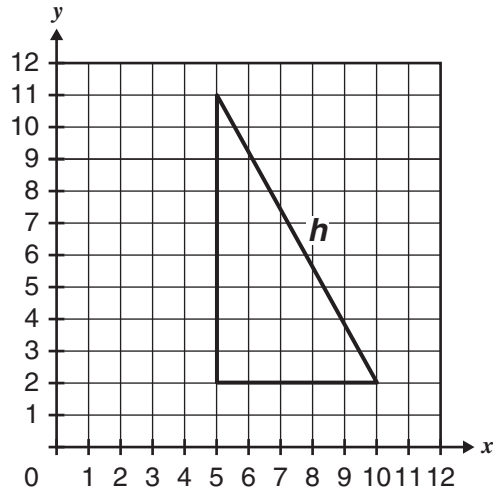
$$a^2 + b^2 = c^2$$

Which is closest to the length of h?

F 7.5 units

G 9.3 units

H 10.3 units

35 What value of x makes this equation <u>true</u>?

$$4x = 2.8x + 36$$

A 30

B 3

C -30

36 Which ordered pair represents the solution to this system of equations?

$$x - y = 2$$
$$3x + 5y = 6$$

F $(0, 2)$

G $(2, 0)$

H $(4, 2)$

37 The table below shows the mass of each of 3 planets.

Mass of Planets

Planet	Mass (in kilograms)
Jupiter	1.8987×10^{27}
Uranus	8.6849×10^{25}
Neptune	1.0244×10^{26}

Which list shows the planets in order, from the <u>least</u> mass to the <u>greatest</u> mass?

A Uranus, Neptune, Jupiter

B Neptune, Jupiter, Uranus

C Jupiter, Neptune, Uranus

38 Parallel Lines *t* and *u* are cut by Transversal *v*, as shown in the diagram below.
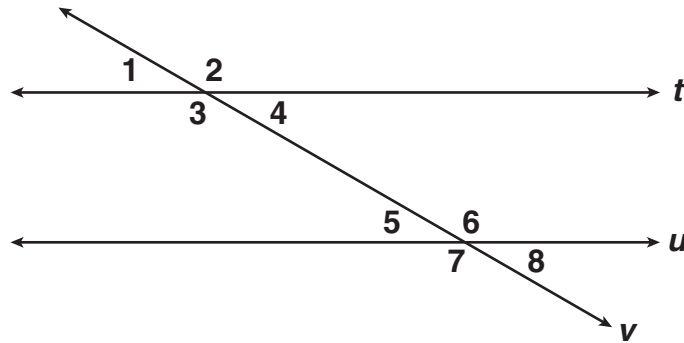
The measure of ∠1 is 30°. What is the measure of ∠6?

F 150°

G 60°

H 30°

39 The graph below shows the average rainfall during three months in a town for two different years.
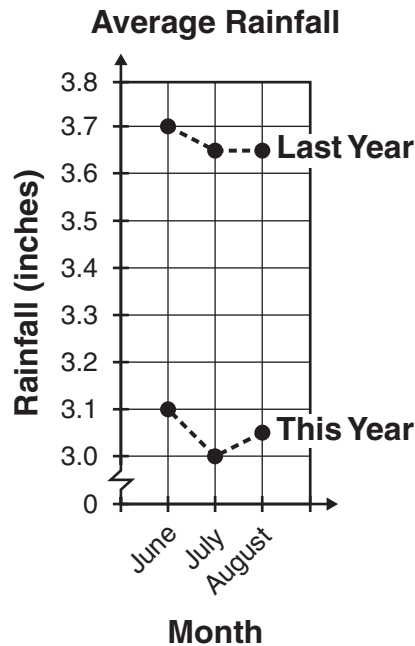
Average Rainfall

Based on this graph, a reporter states that the average rainfall in the town has dropped significantly this year compared to last year. How is the information in the graph misleading?

A The vertical axis intervals are small.

B The scale on the vertical axis is not constant.

C The average rainfall for only three months is shown in the graph.

40 The rectangular flag shown below has a length of 4 feet and a diagonal length of 5 feet.

4 feet

5 feet

w
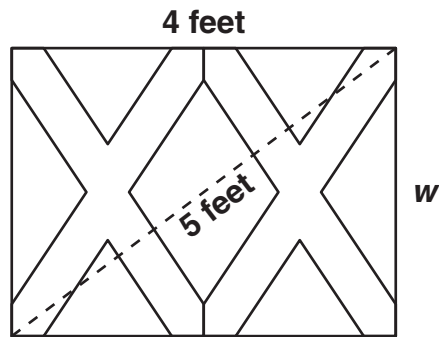
$$a^2 + b^2 = c^2$$

What is *w*, the width of this flag?

F 2 feet

G 3 feet

H 6 feet

41 A food manufacturer compared the cooking times for different frozen foods in a microwave oven (*x*) to the cooking times in a conventional oven (*y*). A line of best fit for the data collected is $y = 0.5x + 5$. Which graph best represents this data set?

A

Cooking Times
for Frozen Food

Conventional Oven Cooking Time
(in minutes)

Microwave Oven Cooking Time
(in minutes)

C

Cooking Times
for Frozen Food

Conventional Oven Cooking Time
(in minutes)

Microwave Oven Cooking Time
(in minutes)

B

Cooking Times
for Frozen Food

Conventional Oven Cooking Time
(in minutes)

Microwave Oven Cooking Time
(in minutes)
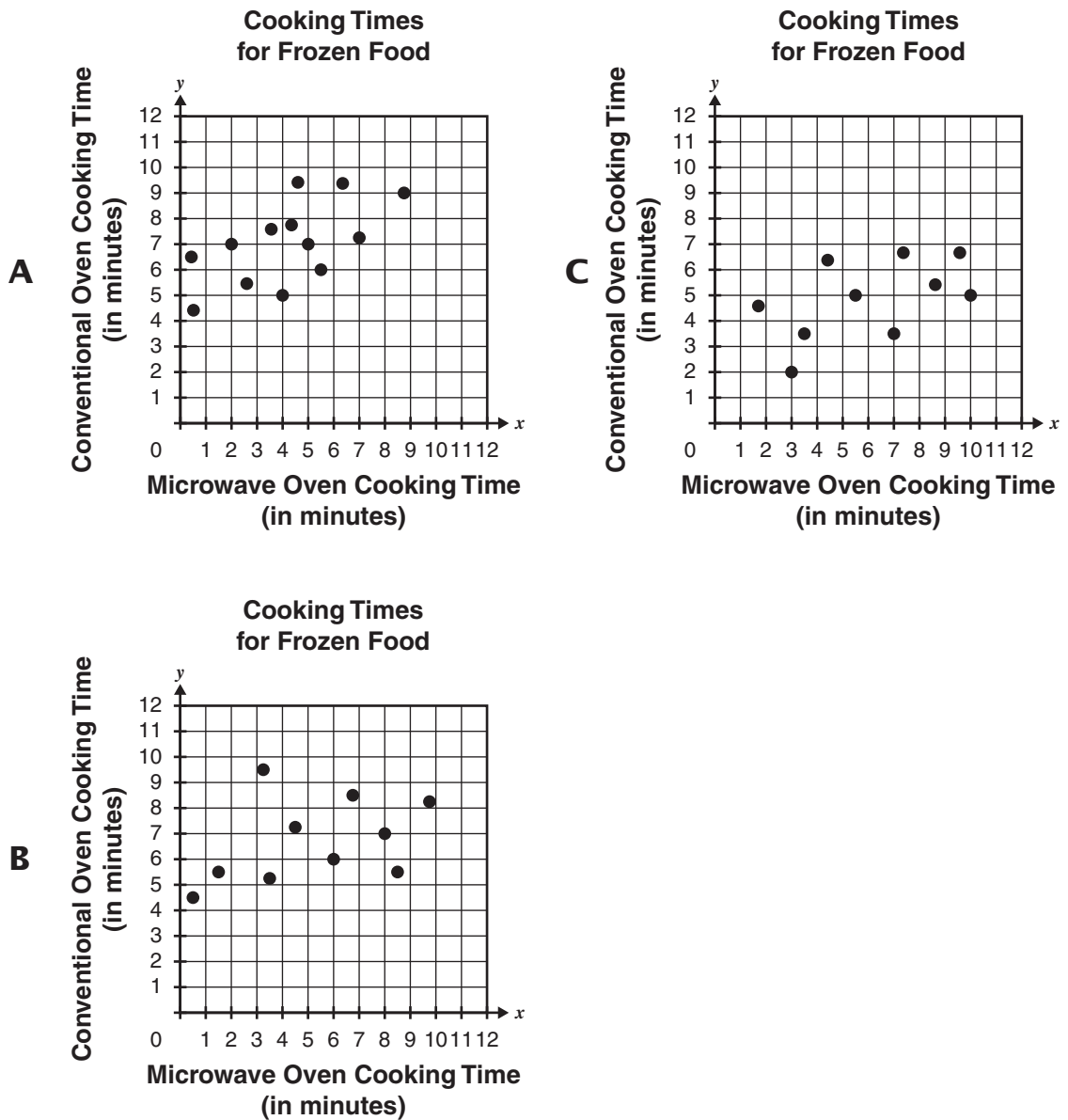
42 The graph of the linear function $y = -5x$ is shown below.
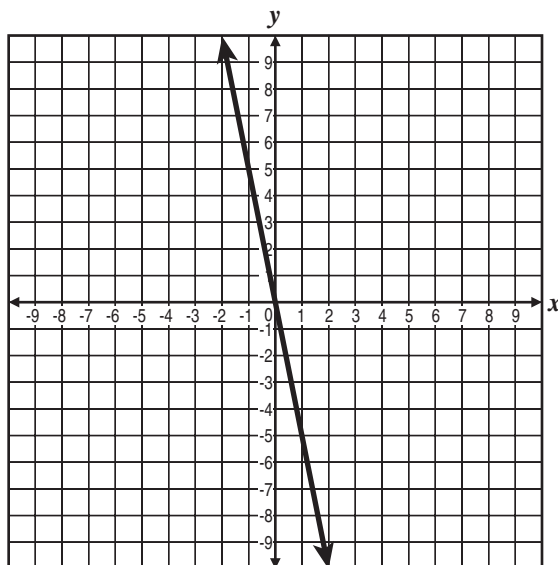
What is the value of y in this function when $x = 2$?

F 10

G $-\dfrac{5}{2}$

H -10

43 Which equation <u>best</u> represents the graph below?
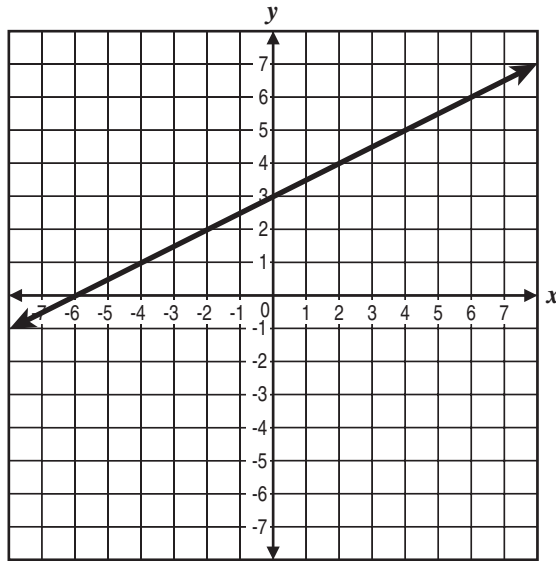
A $y = \dfrac{1}{2} + 3x$

B $y = 2x + 3$

C $y = \dfrac{1}{2}x + 3$

44 Which statement about the graph of an equation below is <u>true</u>?
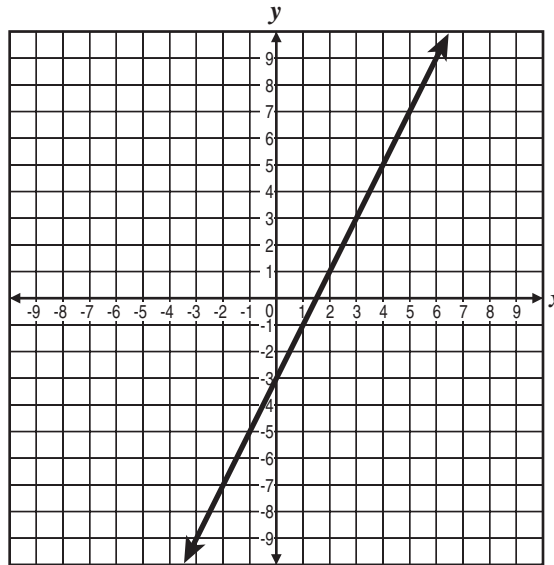
F The slope is positive and the *y*-intercept is negative.

G The slope is negative and the *y*-intercept is positive.

H The slope is positive and the *y*-intercept is positive.

45 Coach Jenson will order soccer uniforms from one of the stores listed below.

- Store X sells 5 uniforms for a total of $150.
- Store Y sells 3 uniforms for a total of $96.
- Store Z sells 2 uniforms for a total of $58.

Which store has the lowest price per uniform?

A Store X

B Store Y

C Store Z

46 A rectangle is shown on this coordinate grid.
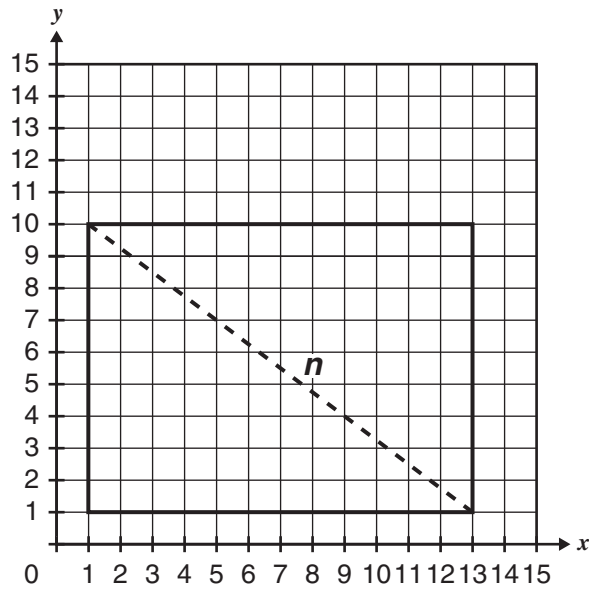
$$a^2 + b^2 = c^2$$

What is the length of the diagonal, *n*?

F   21 units

G   15 units

H   8 units

47 What is the value of b in the solution to this system of linear equations?

$$a - 2b = 2$$
$$a + b = -7$$

A -6

B -4

C -3

48 Javier will sort the four equations shown by classifying them as linear or nonlinear.

$$y = 1 \qquad x + y = 3 \qquad y = 2 - x^3 \qquad x = 6$$

Which shows a correct way Javier could sort these equations?

F

$x = 6$
Linear

$y = 1$
$y = 2 - x^3$
$x + y = 3$
Nonlinear

G

$y = 1$
$x = 6$
Linear

$x + y = 3$
$y = 2 - x^3$
Nonlinear

H

$y = 1$
$x + y = 3$
$x = 6$
Linear

$y = 2 - x^3$
Nonlinear

49 Which number is an irrational number?

A $\sqrt{\dfrac{25}{16}}$

B $\sqrt{20}$

C $\sqrt{169}$

50 The graph below shows the balance of Joey's bank account over time.
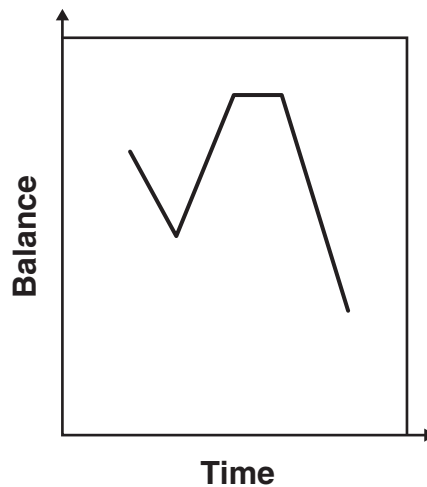
Based on the graph, which statement is <u>true</u>?

F The balance in the account was highest at the beginning of this time period.

G The balance in the account changed every day during this time period.

H The balance in the account was lowest at the end of this time period.

51 A plane traveled 13,000 meters at an approximate rate of 19,000 meters per second. At that rate, which is closest to the number of seconds it would take the plane to travel 21,000 meters?

Distance = rate × time

A   9 – 10 seconds

B   6 – 7 seconds

C   1 – 2 seconds

STOP

Science

1 Pictures of a planet and a salamander are shown below.
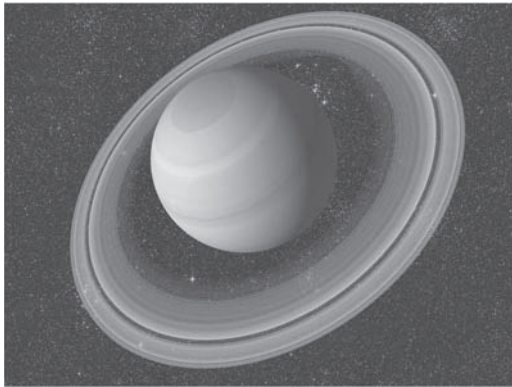
Which characteristic do the planet and the salamander have in common?

Both are

A made of atoms.

B the same temperature.

C multi-cellular.

2   An organism and a classification key are shown below.


```
                              Segments ──────────── Cestoda
                  No shell ──<
                              No segments ────────── Trematoda
Soft body ──<
                              Coiled shell ───────── Gastropoda
                  Shell ──<
                              Two symmetrical shells ── Bivalvia
```
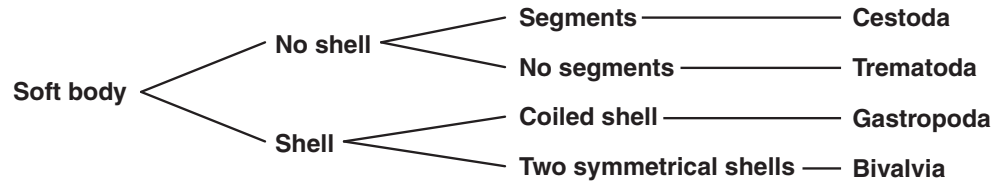
Which class does the organism belong to?

F   Trematoda

G   Bivalvia

H   Gastropoda

3   The Arctic has temperatures between −22 degrees and 6 degrees Celsius and snow covers the ground most of the year. Which pair of adaptations would <u>most likely</u> help a population survive in the Arctic?

A   light-colored fur, layers of blubber

B   bright-colored feathers, webbed feet

C   large shell, leathery skin

4 The diagram below shows an electromagnet.
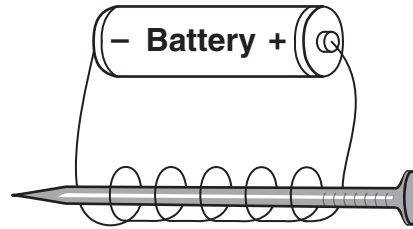
The strength of this electromagnet can be increased by

F adding a switch.

G adding another nail.

H making more wire coils.

5 A population of tropical birds living in a rain forest only eats a certain type of fruit. What will <u>most likely</u> happen to this population if many trees are cut for lumber?

A The population will increase in number.

B The population will decrease in number.

C The population will stay the same.

6   A student follows the procedure below to test how temperature affects the rate at which sugar dissolves in pure water.

- Heat 3 beakers of water to different temperatures
- Put one sugar cube into each of the beakers at the same time
- Record the time it takes for the sugar to completely dissolve

Which step will most improve the investigation?

F   measure the same amount of water into each beaker

G   stir the mixture in each beaker at different rates

H   use beakers of different sizes

7   A new factory machine is not filtering as much pollution from the air as it is supposed to. Which should be the first step in determining why the new machine is not working?

A   build another model of the machine

B   improve the design of the existing machine

C   brainstorm ideas as to what is wrong with the machine

8   Which change best indicates that a chemical reaction has occurred?

F   A solid substance melts when exposed to sunlight.

G   A solid substance produces a gas when placed in water.

H   A solid substance increases in volume when frozen.

9 The moon has a <u>greater</u> effect on ocean tides than the sun because

   A the moon is larger than Earth.

   B the moon is closer to Earth than the sun.

   C the moon is similar in composition to Earth.

10 Which group contains only compounds?

   F H_2O, CO_2, H_2O_2

   G Na, $C_6H_{12}O_6$, NaCl

   H NH_3, KNO_3, Hg

11 A student wants to know how much sugar will dissolve in five milliliters of water. Which tool is <u>best</u> for measuring the volume of water?

   A graduated cylinder

   B triple beam balance

   C stirring rod

12 Which reaction <u>best</u> represents the law of conservation of mass?

   F 40 grams of reactant produce 30 grams of product

   G 30 grams of reactant produce 40 grams of product

   H 40 grams of reactant produce 40 grams of product

Go On ▶

13 Enzyme activity at different pH levels is shown in the table below.

Enzyme Activity vs. pH

pH Level	Percent Enzyme Activity
2.5	25%
5.0	50%
6.5	75%
8.5	60%

Which type of graph would best represent the data?

A

Enzyme Activity

C

Enzyme Activity

Key

pH 2.5
pH 5.0
pH 6.5
pH 8.5

B

Enzyme Activity
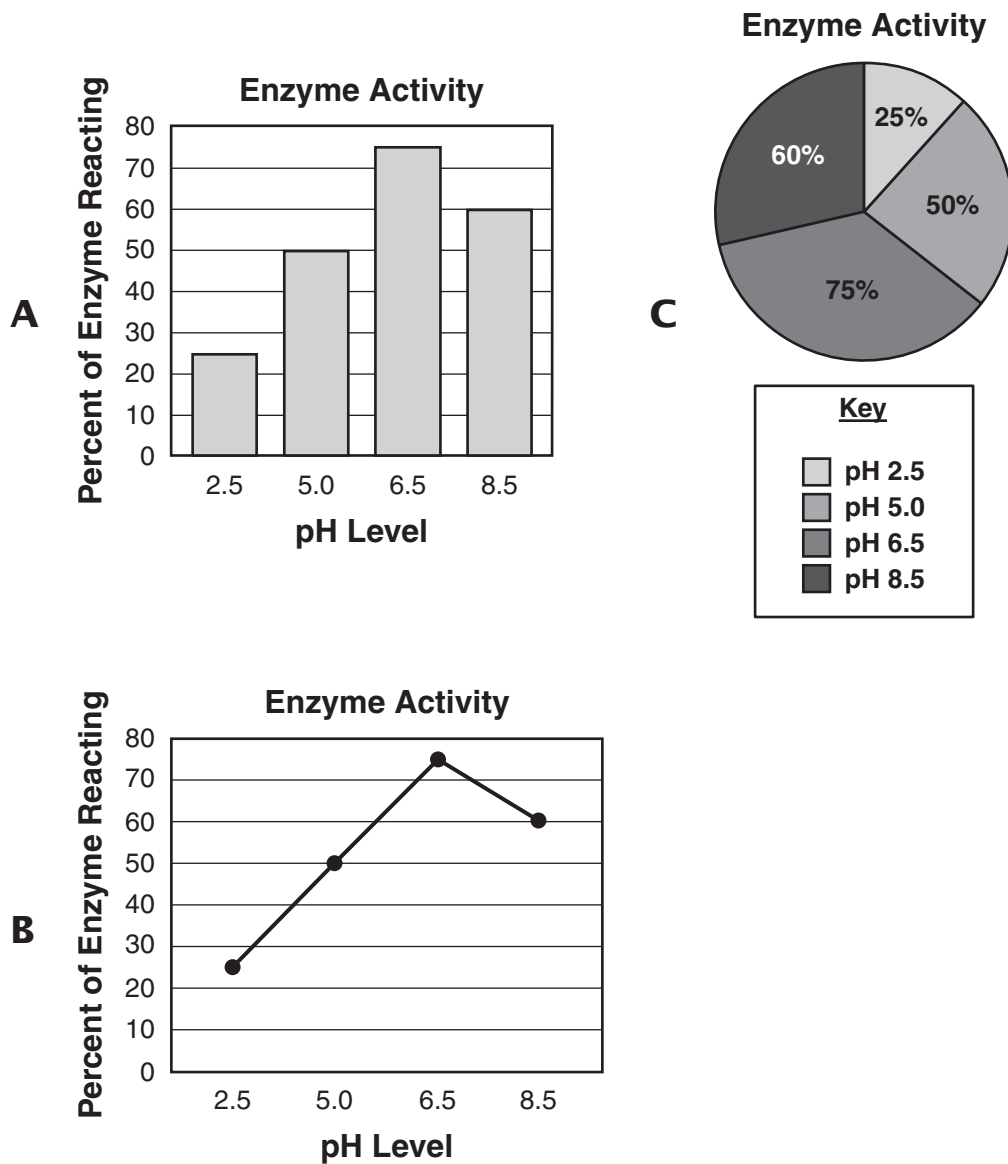
14 **A compound is different from a mixture because compounds are**

   F   pure elements only.

   G   two or more elements chemically joined.

   H   made up of substances that are easily separated.

15 The average distances from the sun to the planets Mercury, Venus, and Earth are shown in the table below.

Average Distance from Sun

Planet	Millions of Kilometers (km)
Mercury	58
Venus	108
Earth	150

Which type of graph will **best** compare the distance data for these three planets?

A

Average Distance from Sun

Distance (million kilometers)

200
150
100
50
0

Mercury Venus Earth

Planet

C

Average Distance from Sun

Venus
108 km

Mercury
58 km

Earth
150 km

B

Average Distance from Sun

Distance (million kilometers)

200
150
100
50
0

Mercury Venus Earth

Planet
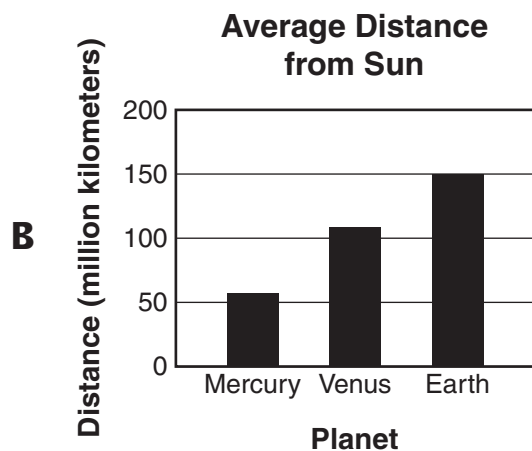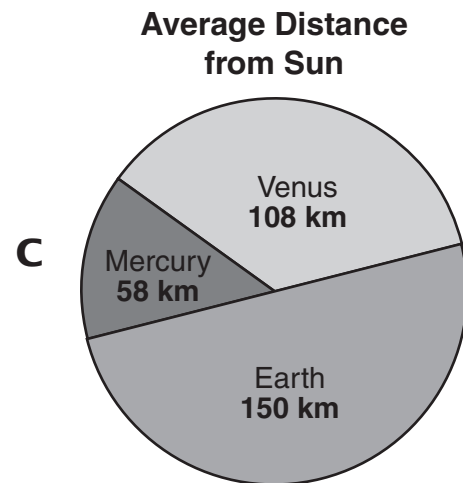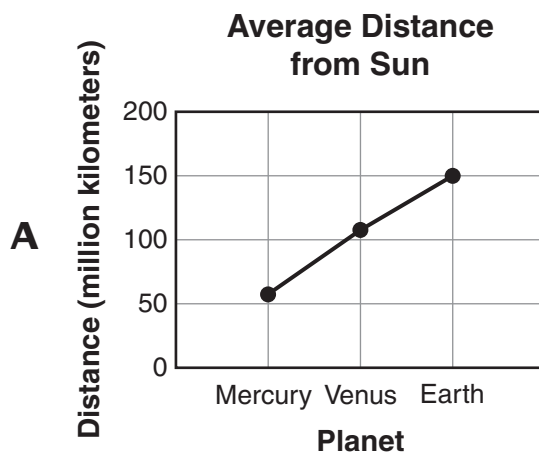
16 An iron cube had an initial mass of 50.0 grams. Rust formed on the cube after it was exposed to humid air. The mass of the cube increased to 50.1 grams. Which statement __best__ explains the change in mass of the cube?

F Oxygen combined with the iron to make rust on the cube.

G Water dissolved some of the iron on the cube to make rust.

H Some iron was lost to air as rust formed on the cube.

17 A cross section of rock layers is shown below.
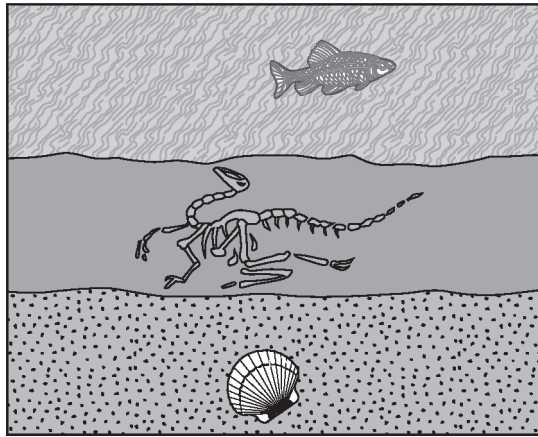
Which fossil is found in the oldest layer?

A dinosaur

B shell

C fish

18 A nuclear power plant is built near a lake to generate electricity. Water from the lake will be used to cool the reactor, and then the warmed water will be returned to the lake. Which of these is an <u>unintended</u> consequence of building this nuclear power plant?

F The power plant will not produce air pollution.

G It will cost less to generate electricity.

H The temperature of the lake will increase.

19 Which measurement <u>best</u> indicates the weight of a ball?

A The ball takes up 30 cubic centimeters of space.

B The ball has a resting force of 1 newton.

C The ball falls 10 meters in 1 second.

20 The percentages of gases that make up the atmosphere of Earth are shown in the graph below.

Atmosphere of Earth
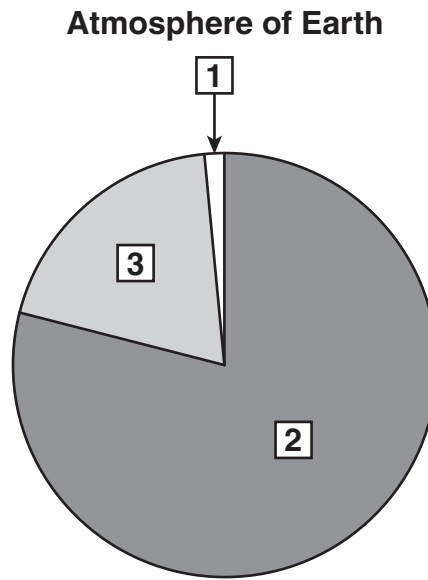
The portion of the graph labeled with a 3 represents what gas?

F nitrogen

G hydrogen

H oxygen

21 Three objects have the same shape and volume, but different masses. Which object will have the <u>greatest</u> weight?

A the object with a mass of 5 grams

B the object with a mass of 7 grams

C the object with a mass of 9 grams

22 The equation below shows a chemical reaction that releases energy.

$$2Na + 2H_2O \longrightarrow 2NaOH + H_2 + energy$$

Which substance is a product?

F Na

G NaOH

H H_2O

23 A scientist wants to know how the shape of a sponge affects the amount of water it can absorb. The table shows the data collected.

Sponge Data

Sponge Type	Wet Mass
Oval	5.0 grams
Square	5.2 grams

After one trial, the scientist concludes the square-shaped sponge is the best shape of sponge for absorbing water. Which <u>best</u> explains a possible source of error in the experiment?

A The scientist did not compare different types of liquids.

B The scientist did not use materials other than sponges.

C The scientist did not measure the dry masses of the sponges.

24 A chemical equation is shown below.

$$2Zn + 2HCl \longrightarrow 2ZnCl + H_2 + heat$$

H_2 (hydrogen gas) can <u>best</u> be described as a

F reactant.

G mixture.

H product.

25 A company is testing a new computerized weather forecasting program. Which would be the <u>best</u> way to show that the predictions of the program are accurate?

A comparing the predictions of the program to the actual weather

B comparing the predictions of the program to past weather situations

C comparing the predictions of the program to weather forecasters' predictions

26 Gas particles in a container would <u>most likely</u>

F spread far apart, filling the container completely.

G lock in place, keeping a shape unlike the container.

H remain close together, resting at the bottom of the container.

27 A solid object has a mass of 10 grams and a volume of 5 cubic centimeters.

$$\text{Density} = \frac{\text{mass}}{\text{volume}}$$

$$D = \frac{m}{v}$$

What is the density of the object?

A 15 grams/centimeter

B 5 grams/centimeter

C 2 grams/centimeter

28 Which process will give a company the <u>best</u> results in designing a dam with a floodgate to keep houses safe during the rainy season?

F building a prototype of the dam to test its performance

G using the dams in several areas that receive heavy rain

H finding a manufacturer in the area to sell the dams

29 Which statement describes a possible consequence if biodiversity were to decrease in the Arctic due to the extinction of polar bears?

A changes in the food web, leading to a loss of food resources for native people

B an increase in the number of producers after a herbivore population boom

C a decrease in the number of herbivores due to natural predators being gone

30 **The formula for density is shown below.**

$$\text{Density} = \frac{\text{mass}}{\text{volume}}$$

$$D = \frac{m}{v}$$

What is the density of a marble with a mass of 6 grams and a volume of 2 milliliters?

F 8 grams/milliliter

G 4 grams/milliliter

H 3 grams/milliliter

31 **Oil is used in motors to reduce friction. Which setup would be <u>best</u> to determine how oil affects the performance of a motor?**

A run two motors for four hours, both without oil

B run two motors for three hours, one with oil and one without oil

C run two motors for five hours, using a different kind of oil in each one

STOP ⬡

32 **An electric current can be produced using a bar magnet and a**

   F   silver coin.

   G   wire coil.

   H   steel nail.

33 **Three changes are shown below.**

| A | B | C |
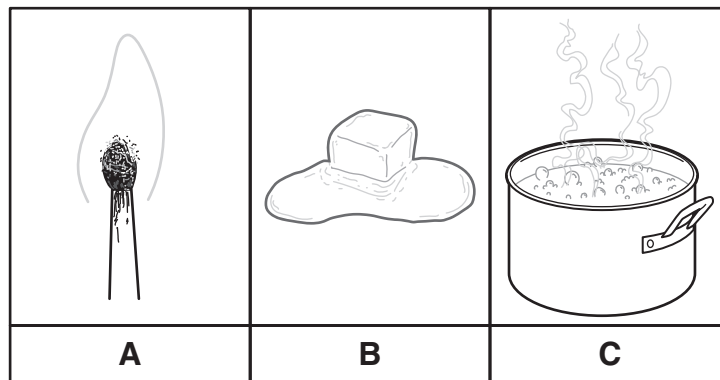
Which of these is an example of a chemical change?

   A   burning match

   B   melting ice

   C   boiling water

34 Power door locks are often considered an important safety feature. One <u>intended</u> benefit of power door locks is

    F   power locks are expensive.

    G   cars are easier to lock.

    H   people are often locked out.

35 Which process results in a physical change?

    A   An egg is cooked.

    B   A gallon of milk spoils.

    C   A loaf of bread is cut.

36 A student observes a tree with small, hard, needle-like leaves that stay green year round. The student then compares the tree to several other trees in the cold, dry habitat and notices that their leaves are similar in shape. Which is the <u>best</u> conclusion based on these observations?

    F   The tree does not perform photosynthesis.

    G   The tree has a disease that stunts leaf growth.

    H   The tree has small leaves that reduce water loss.

37 The periodic table of elements is shown below.

1 H																	2 He
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	57 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	89 Ac	104 Unq	105 Unp	106 Unh	107 Uns	108 Uno	109 Une	110 Unn								

Which statement describes the reactivity of the elements oxygen (O) and nitrogen (N)?

A The elements increase in reactivity from left to right.

B The elements increase in reactivity from up to down.

C The elements increase in reactivity from right to left.

38 **Which type of bioengineered product is ethanol, a biofuel made from corn?**

F adaptive

G assistive

H acceptive

39 A teacher gives the class two unknown red-colored solutions and one red-colored control solution that is an acid. A student concludes that since both unknown solutions are red colored, those solutions must also be acidic. Which statement identifies an error in the student's process that led to this wrong conclusion?

A The student did not measure the temperature of the unknown solutions.

B The student did not measure the volume of the unknown solutions.

C The student did not measure the pH of the unknown solutions.

40 The formula for a chemical reaction is shown below.

$$C_6H_{12}O_6 + 6O_2 \longrightarrow 6CO_2 + 6H_2O$$

Which of these are the products of the reaction?

F O_2 and CO_2

G $C_6H_{12}O_6$ and O_2

H CO_2 and H_2O

41 In order to prolong the shelf life of fruits and vegetables, companies expose some types of fruits and vegetables to X-rays in order to kill bacteria. Which term **best** describes the device used to X-ray fruits and vegetables?

A adaptive

B assistive

C synthetic

42 A camper notices the ashes from a campfire have a much lower mass than the wood that was burned. Which statement **best** explains this observation?

    F Some of the mass in the wood was destroyed by heat.

    G Some of the mass in the wood was converted to a gas.

    H Some of the mass in the wood was released as light.

43 The diagram below shows parts of an electromagnet.
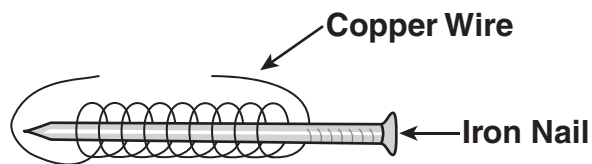
Which part will complete the electromagnet?

    A clip

    B switch

    C battery

44 A farmer wants to know how a new fertilizer affects the growth of plants. During the investigation, the farmer should control

    F the amount of water each plant gets during the investigation.

    G how fast the leaves grow on each plant in the investigation.

    H the height of each plant at the end of the investigation.

45 What keeps Earth in its orbit?

A the rotation on its axis

B the gravity of the sun

C the revolution of the moon

46 Which substance is classified as an element?

F H_2O_2

G Cu

H CO

47 Which of these is produced when a wire coil rotates between two magnets?

A steam

B electricity

C light

48 Some foods contain acidic substances. Which property <u>most likely</u> indicates that a food is acidic?

F feels slippery

G tastes bitter

H tastes sour

49 Which two items will <u>best</u> determine the combined volume of three small rocks?

    A   graduated cylinder and water

    B   hot plate and beaker

    C   meter stick and eye dropper

50 An electromagnet can be made by introducing electricity into loops of wire coiled around

    F   a plastic rod.

    G   a glass rod.

    H   an iron rod.

51 Recent clearing of rain forests for agricultural use has led to a decrease in biodiversity within these areas. One potential consequence of deforestation is

    A   an increase in available animal habitats.

    B   the loss of beneficial plant products.

    C   a decrease in available lumber.

52 Which substance is an acid?

    F   orange juice with a pH of 3

    G   pure water with a pH of 7

    H   baking soda with a pH of 9

53 What do Earth, a bar magnet, and an electromagnet have in common?

A They are all composed of only metal.

B They all have magnetic fields.

C They all move constantly.

54 A student records the average time the sun rises in each season for one year. The table shows the data collected.

Yearly Sunrise Data

Season	Average Sunrise Time
Spring	6:00 A.M.
Summer	5:45 A.M.
Fall	6:30 A.M.
Winter	6:45 A.M.

Which graph type <u>best</u> summarizes the data?

F bar or line graph

G circle or bar graph

H line or circle graph

55 A student combines baking soda and vinegar to produce water and carbon dioxide. What process always results in the formation of a new product?

A physical change

B chemical change

C mass change

56 An unknown sample is slippery and has a pH of 10. The sample is

F acidic.

G neutral.

H basic.

57 A combination of salt grains and pepper grains is <u>best</u> classified as a

A mixture.

B compound.

C solution.

58 Which two objects can be used together to produce electricity?

F a bar magnet and a wire coil

G a bar magnet and a paper clip

H a bar magnet and an iron nail

59 The locations of fossils found in a pond are shown in the diagram below.
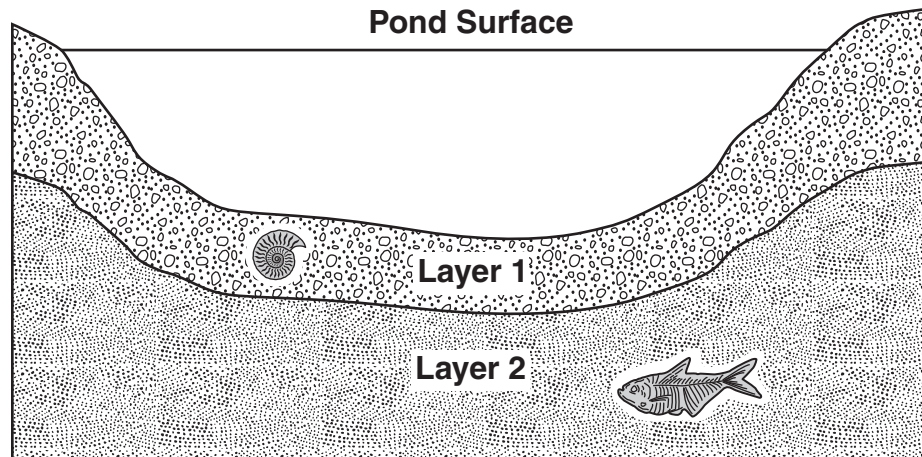
The fish <u>most likely</u> existed

A at the same time as the organism with the shell.

B before the organism with the shell.

C after the organism with the shell.

60 A copper wire coiled around a bar magnet will produce electricity when the bar magnet is

F connected to a light bulb.

G insulated with plastic.

H moved through the coils.

61 A certain species of bat, found in northern habitats, hibernates during the winter. What will happen to the bat population if places to hibernate become scarce due to urbanization?

The bat population will

A increase in size.

B decrease in size.

C stay the same size.

STOP ⬡

Social Studies

1 **When a school has children say the Pledge of Allegiance, it is promoting**

   A   proper fitness.

   B   healthy diet.

   C   active citizenship.

2 **Why was the Cumberland Gap important to the expansion of the United States?**

   F   It completed the trade route for the state of Pennsylvania.

   G   It provided a route for the explorers of the Louisiana Territory.

   H   It made crossing the Appalachian Mountains easier.

3 **The 13th, 14th, and 15th Amendments are effects of the Civil War because they**

   A   granted rights to African Americans.

   B   increased hourly wages for all workers.

   C   opened up free lands in the West for settlers.

Alison has an agreement with a bank allowing her to borrow money based on her income and savings.

4 **This agreement is an example of**

F tax.

G debt.

H credit.

5 **Who has the power in democratic governments?**

A the people

B the courts

C the military

Directions   Use the map below to do Numbers 6 and 7.
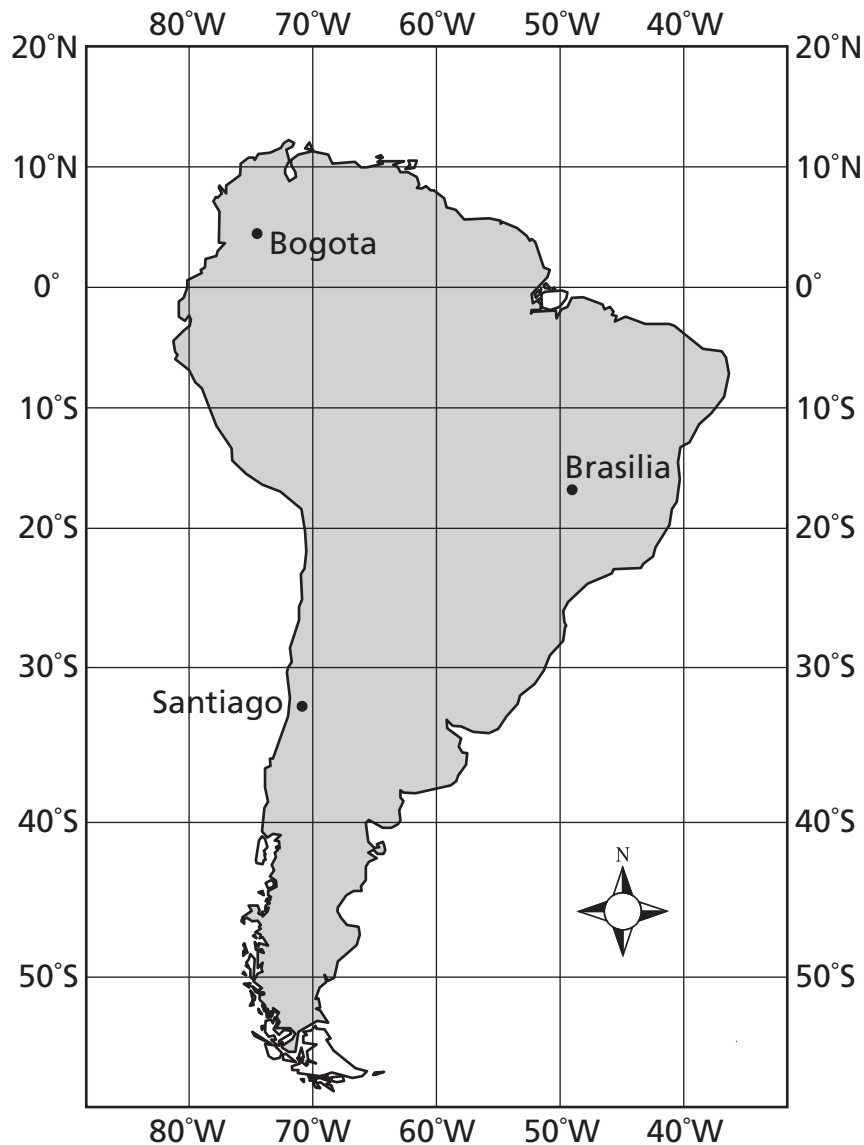
6   **Which city shown on the map is located nearest 5°N latitude and 75°W longitude?**

F   Bogota

G   Brasilia

H   Santiago

Go On ▶

7 In which direction would a person going from Santiago to Brasilia travel?

A southeast

B northeast

C northwest

Population of Three U.S. States, 1790

Key	
☐	Free
■	Slave
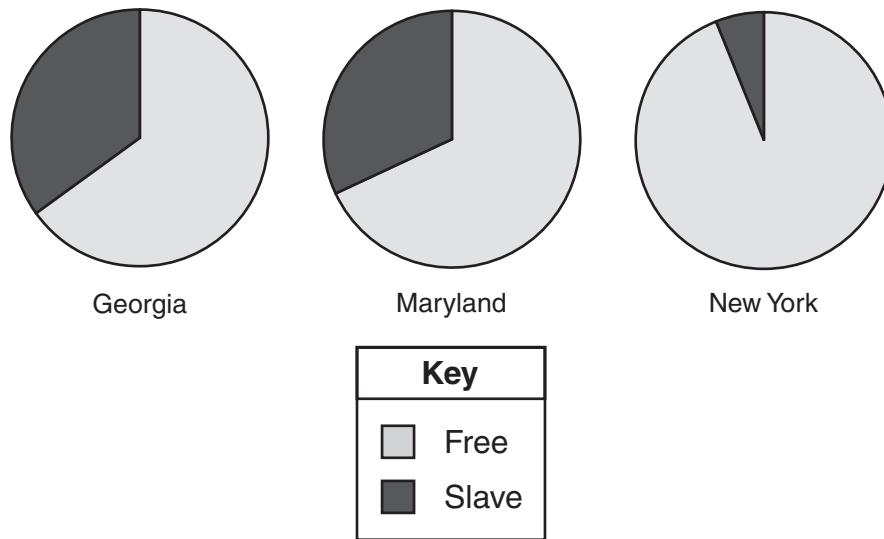
8 According to the charts above, which state had the smallest percentage of slaves?

F Georgia

G Maryland

H New York

- working in soup kitchens
- building parks and playgrounds
- setting up neighborhood watch programs

9 **The activities in the box are examples of ways to**

A raise money for the community.

B participate in meeting local needs.

C help political parties in the community.

- U.S. victory in the Mexican-American War
- Discovery of gold in California
- Homestead Act of 1862

?
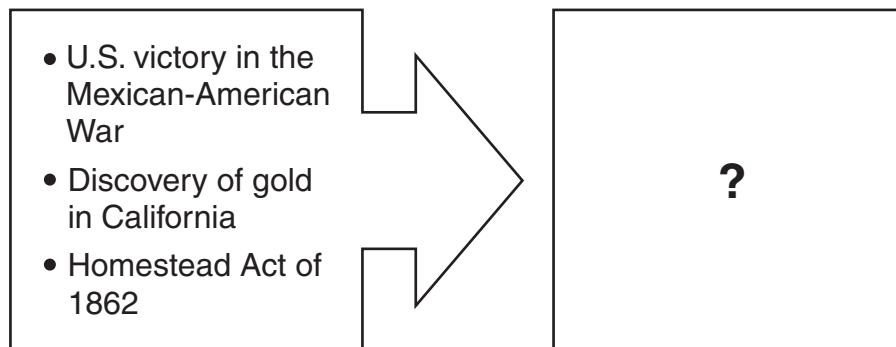
10 **Which term best completes the diagram above?**

F Westward expansion

G Anti-immigration movement

H Industrial growth

Go On ▶

Puritans	Quakers
• Life is a constant struggle with evil	• Men and women equal in eyes of God
• Obedience to word of God	• People should listen to their "inner light" to connect with God
• Public confession of faith	• **?**

11 **Which idea replaces the question mark in the chart above?**

A Obedience to the king

B Support for military service

C Religious tolerance

Development of Some Political Parties in the 1800s

1787 — Federalist Party — favors a strong national government; supports trade and business

1828 — Democratic Party — favors limited national government, territorial expansion, slavery

1834 — Whig Party — favors expanded national government, industrial development, slower westward expansion

1854 — Republican Party — stands for "Free Soil, Free Labor, Free Men"
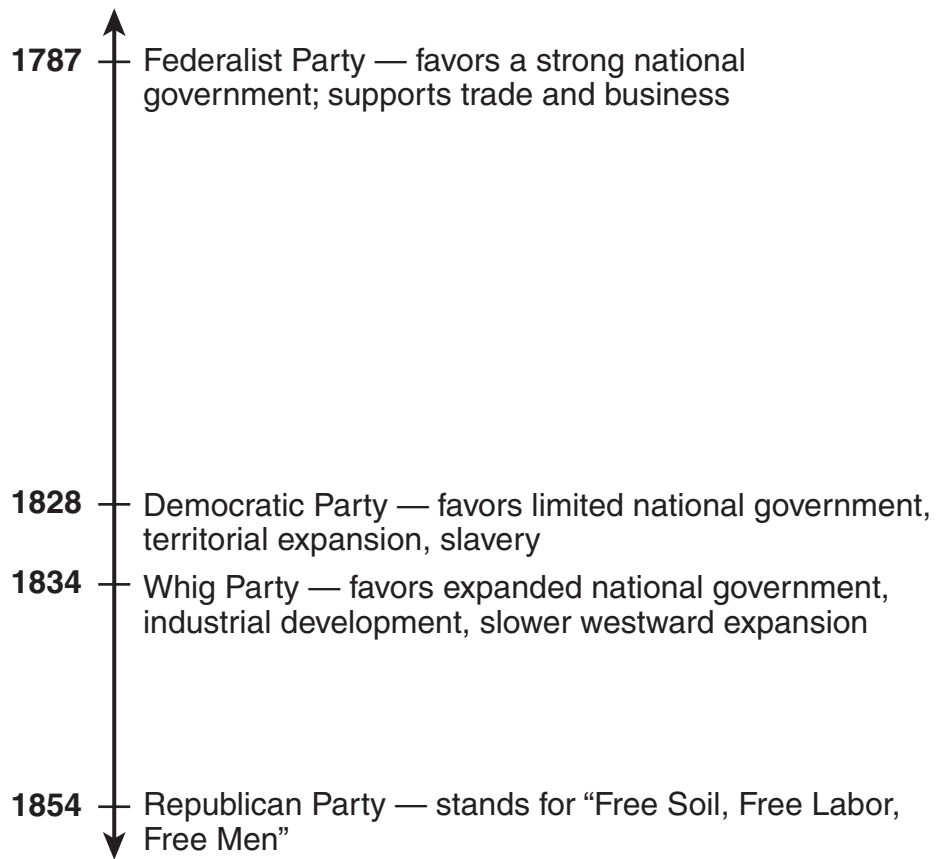
Note: Some dates are approximate

12 Andrew Jackson was elected president in 1828. Based on the timeline, he was a member of which party?

F Federalist Party

G Democratic Party

H Whig Party

Go On ▶

```
                    ┌─────────────┐   ┌─────────────┐
                    │  Right to   │   │ Freedom of  │
                    │  petition   │   │  the press  │
                    └─────────────┘   └─────────────┘
                            \           /
                        ┌─────────────────┐
                        │ First Amendment │
                        │    Freedoms     │
                        └─────────────────┘
                            /           \
                    ┌─────────────┐   ┌─────────────┐
                    │ Freedom of  │   │     ?       │
                    │   speech    │   │             │
                    └─────────────┘   └─────────────┘
```
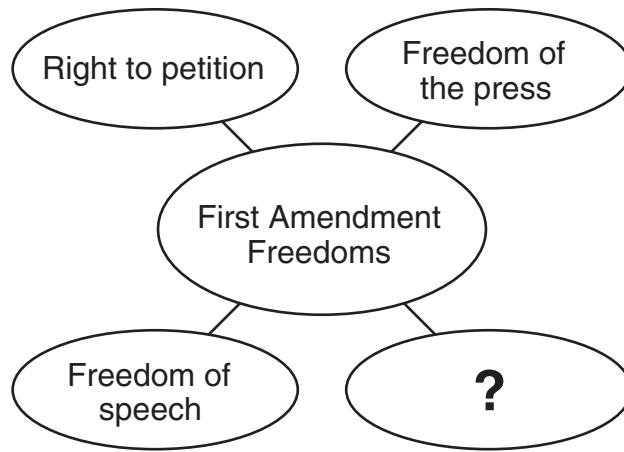
13 **Which of these best completes the diagram?**

  A Freedom of movement

  B Freedom of religion

  C Freedom from unreasonable searches

14 **Which of these state names shows the influence of Native American groups on the United States?**

  F New York

  G Mississippi

  H Pennsylvania

15 **Which worker in the early American colonies would best be classified as performing a service economic activity?**

  A a politician writing laws

  B a servant cooking meals

  C a farmer harvesting crops

Factors that Contributed to __?__

> • Imposition of new taxes
> • Quartering of troops
> • Tyrannical government

16 **Which event <u>best</u> completes the title of this list?**

    F   the Revolutionary War

    G   Westward Expansion

    H   the War of 1812

Machu Picchu

© Rcaucino/Dreamstime #5150011

17 **The major civilization that built the city shown above <u>most</u> likely chose the location because it was**

A shielded by forests.

B surrounded by plains.

C protected by mountains.

Tennessee Physical Map
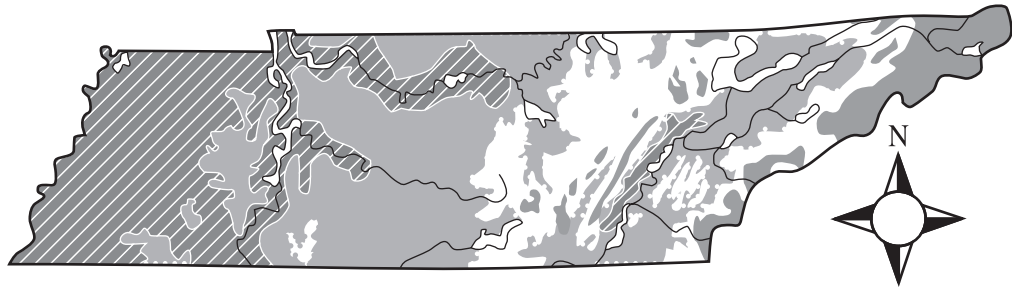
KEY

▨ 500 ft	■ 5,000 – 10,000 ft
■ 1,000 – 2,000 ft	

18 Based on the map, the area of Tennessee near the Mississippi River is <u>most</u> likely

F a mesa.

G a desert.

H a mountain.

- states had different money systems
- states ignored needs of other states
- states competed in trade

---

19 Which document led to the conditions listed above?

A Declaration of Independence

B Articles of Confederation

C United States Constitution

20 What new idea did the colonists bring to North America?

    F planting crops

    G private property

    H bartering goods

**New Technological
Advances in Colonial America**

- Sawmills
- Gristmills
- Iron Forges

21 The technologies listed above contributed to which aspect of colonial American development?

    A transportation

    B industrialization

    C exploration

**Excerpts from 1585 Pamphlet
Promoting English Colonization of America**

1. The increase of the force of the Christians.
2. The possibility of . . . enlarging . . . the Queen's . . . [territory and] power . . .
3. A great possibility of further discoveries . . .

— Richard Hakluyt (1585)

22 **Which part of the text above is a religious-based reason for starting an English colony?**

F 1. The increase of the force of the Christians.

G 2. The possibility of . . . enlarging . . . the Queen's . . . [territory and] power . . .

H 3. A great possibility of further discoveries . . .

A house divided against itself cannot stand. I believe this government cannot endure, permanently, half slave and half free. I do not expect the Union to be dissolved; I do not expect the house to fall; but I do expect it will [end being] divided. It will become all one thing, or all the other.

— Abraham Lincoln, 1858

23 **Which statement expresses Abraham Lincoln's view on slavery in this speech?**

A Territories will ban slavery, but states should allow it.

B Abolitionists will slowly accept slavery.

C Either slavery or freedom would become the law.

Population of Great Plains

1700s	1850s	1890s
• Many tribes • Broadly scattered	• Fewer tribes • Declining population	• Few tribes on reservation • Small population

24 Which historic event contributed <u>most</u> to the changes listed above?

F westward migration

G introduction of sharecropping

H urban expansion

25 Which of these was an effect of the *Dred Scott v. Sandford* decision by the Supreme Court in 1857?

A Civil liberties were extended to more people.

B Judicial review was established.

C African Americans were denied the rights of citizenship.

Surrender at Yorktown, 1781

KEY

✳	Battle site
—	American and French armies
•••••	French blockade
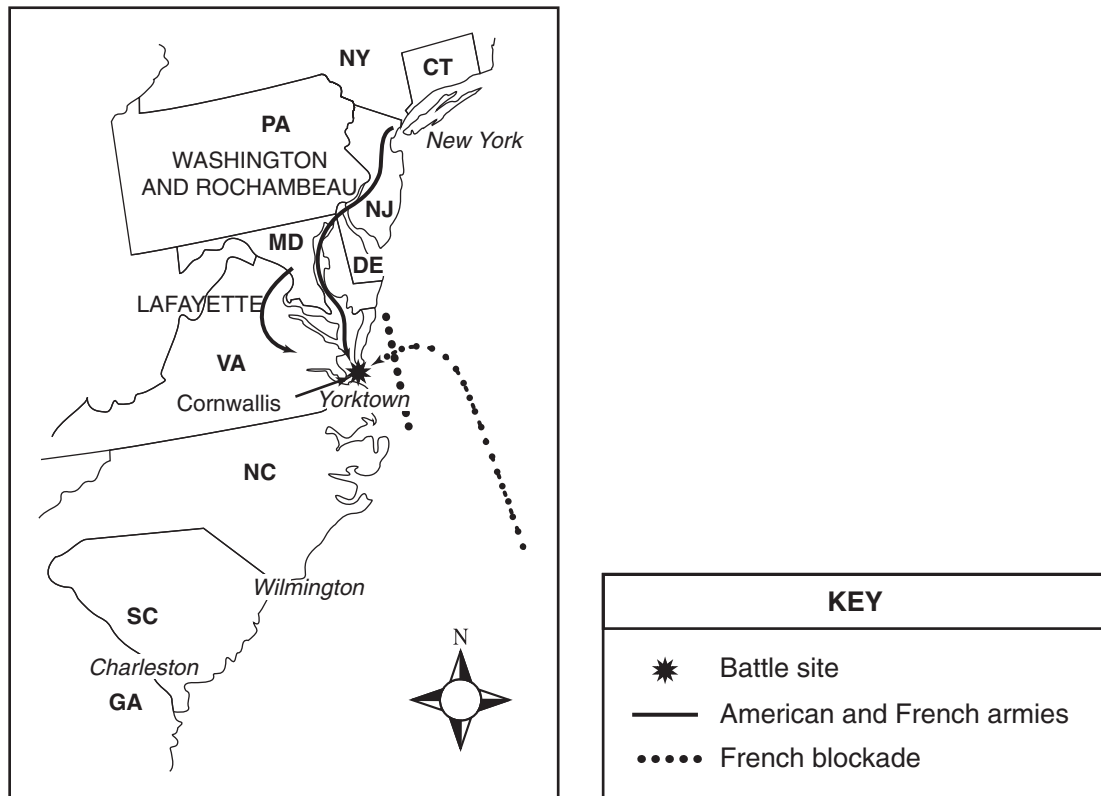
26 **According to the map, which of these <u>best</u> explains why Cornwallis and his army were forced to surrender at Yorktown?**

F They were trapped by American and French land and sea forces.

G Lafayette and his troops were waiting for Cornwallis in New York.

H British naval forces were occupied with wars in Europe.

27 Which document is a secondary source about industrialization in the 1800s?

A a journal kept by a factory worker

B an encyclopedia article about a factory

C a photograph taken inside a factory

28 Eighteenth-century Virginia planters who needed workers to produce their crops relied on which labor force?

F soldiers

G slaves

H prisoners

29 The issue of whether or not to make Texas a state was a result of the

A Mexican-American War.

B Civil War.

C War of 1812.

> **Clothing**: parkas, ponchos
> **Inventions**: hammocks, toboggans
> **Words**: moose, chipmunks, squash
> **Traditions**: respect for nature

30 **The listings in the box above reflect the contributions to the cultural development of the United States by**

F Irish settlers.

G African slaves.

H Native Americans.

31 **Which law declared that the issue of slavery in the western territories would be decided by popular sovereignty?**

A The Missouri Compromise

B The Kansas-Nebraska Act

C The Wilmot Proviso

STOP ⬟

32 An example of a <u>primary</u> source of information about the American Revolution is a

F diary.

G biography.

H textbook.

33 Which activity is a responsibility of American citizens?

A visiting a national park

B purchasing a new home

C serving on a jury

34 The issue of state power versus federal power led to the

F War of 1812.

G Civil War.

H Revolutionary War.

35 Which sentence is the <u>best</u> description of the impact of European colonization on Native Americans?

A Native Americans lost their lands to Europeans.

B Native Americans forced their religion on British colonists.

C Native Americans protected Europeans from attacks.

**Slave Population of
the South 1790 – 1830**

Year	Slave
1790	654,121
1800	851,532
1810	1,103,700
1820	1,509,904
1830	1,983,860

Source: U.S. Census Bureau

36 Based on the table above, the South's slave population first reached one million during which decade?

F 1791 – 1800

G 1801 – 1810

H 1811 – 1820

Confederation Period, 1781 – 1789

Causes	Effect
• Weak central government • Economic instability • **?**	Constitutional Convention
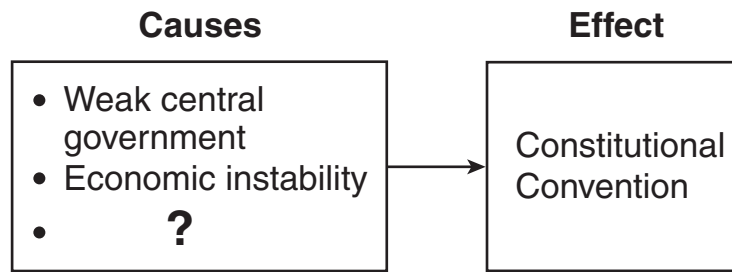
37 Which event **best** completes the diagram above?

A Shays' Rebellion

B Ratification of the Bill of Rights

C George Washington's presidential election

Proclamation of 1763

Key
—— Proclamation Line of 1763

38 According to the map, the Proclamation of 1763 prohibited settlement west of an imaginary line drawn along the

  F   Atlantic Ocean.

  G   Mississippi River.

  H   Appalachian Mountains.

39 Which economic activity is the <u>best</u> example of a subsistence economy?

    A   working in a factory

    B   selling livestock at a market

    C   growing food for family use

40 How is the Supreme Court different from the executive and legislative branches of the federal government?

    F   Its members are appointed for life.

    G   There are two members from each state.

    H   Its membership is based on population.

- Agitation by War Hawks
- Impressment of American sailors
- Violation of neutral rights

---

41 Which conflict resulted from events on the list above?

    A   the War of 1812

    B   the First Seminole War

    C   the Mexican-American War

From Cocoa Bean to Chocolate Bar

Farm

1. Pick beans from pod
2. Dry beans
3. Package beans

→

Factory

1. Inspect beans
2. Grind beans into liquid
3. Mix with ingredients and cook
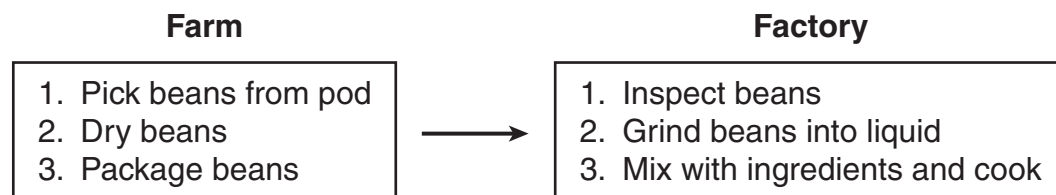
42 Before cocoa beans are shipped to the factory, they must first be

F inspected.

G dried.

H mixed.

?

• Favorable geography for growing cash crops
• Large plantations dominate economy
• Need for large supply of labor

43 What is the <u>best</u> title for the table above?

A Reasons Slavery Flourished in the South

B Factors that Attracted Immigrants to the South

C Reasons that Industry Developed Quickly in the South

44 The colonies of Rhode Island and Pennsylvania were founded as places where

F debtors could get a new start in life.

G people could practice religion freely.

H cash crops could be grown for trade.

Go On ▶

Directions Use the map below to do Numbers 45 and 46.

The Election of 1828

CANDIDATE	
Andrew Jackson	■
John Quincy Adams	□
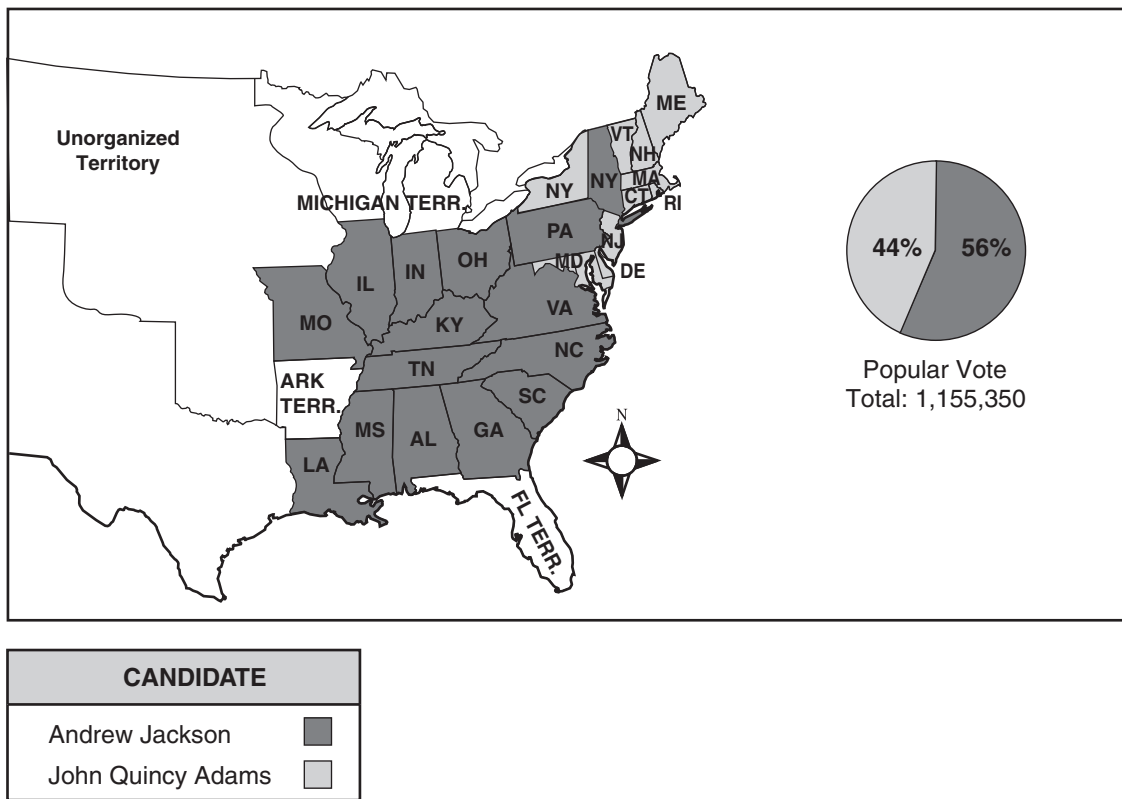
45 According to the map, Andrew Jackson received much of his support from

A people living in the Michigan Territory.

B industrialists in the Northeast.

C farmers in the South.

46 The total popular vote in the 1824 election was less than half of what it was in the 1828 election. Which of these was the <u>most</u> likely reason for the increase in the popular vote?

F new immigrants could vote upon arrival

G women were allowed to vote for the first time

H change in property requirements for voting

47 In the early 1800s, Memphis and Nashville grew faster than other areas in the state because

A natural resources were scarce in other areas.

B few opportunities were available in other areas.

C location on major rivers connected them to other markets.

48 Freedom of speech can be taken away if the speech is

F a threat to public safety.

G critical of the government.

H based on unpopular opinions.

Want Ad from the
***New York Evening Post*,**
September 4, 1830

> **WANTED**
>
> **Cook.**
> **They must be American,**
> **Scotch, Swiss, or African — no Irish.**

49 **Irish immigrants were excluded from this advertisement because**

   A farmers out west clashed with Irish immigrants over land.

   B it was illegal to hire Irish immigrants.

   C anti-Irish sentiment grew with the increase in Irish immigration.

50 **Which of these was directly responsible for the greatest changes to the environment in the Cumberland Gap area?**

   F the clearing of the Wilderness Road

   G the trails established by Native Americans

   H the exploration of the area by Daniel Boone

51 **In the 1600s, the French exploring Tennessee were <u>most</u> interested in obtaining**

   A steel.

   B oil.

   C fur.

But we are assembled to protest against a form of government existing . . . to declare our right to be free as man is free, to be represented in the government which we are taxed to support . . .

— Elizabeth Cady Stanton,
Seneca Falls Convention speech, 1848

52 **Elizabeth Cady Stanton's speech excerpted above was intended to attract support for**

F public education.

G women's suffrage.

H prison reform.

19th-Century Inventions

1807 — Robert Fulton, steamboat

1814 — George Stephenson, steam locomotive

1837 — Samuel Morse, telegraph
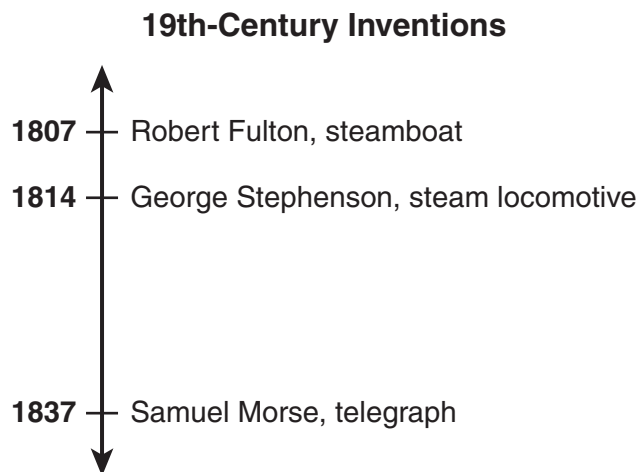
53 **Which inventor shown in the timeline above could help a New York business owner in 1865 quickly communicate information to a business partner on the West Coast?**

A Robert Fulton

B George Stephenson

C Samuel Morse

54 Which of these political questions from the early 1800s was <u>most</u> related to westward expansion?

F Should laws be passed to stop immigration from some countries?

G Should the federal government pay for roads and canals?

H Should laws be passed to make factories safer for workers?

55 Which type of economy was <u>most</u> often used in pre-colonial Native American societies?

A monopoly

B free competition

C traditional

56 In which conflict did Great Britain win control of Canada?

F the French and Indian War

G the American Revolution

H the Civil War

57 Religion is <u>best</u> defined as a set of

A rules and laws governing a nation.

B beliefs and practices related to a god or gods.

C principles based on the teaching of political leaders.

French and Indian War ended

?

Declaration of Independence signed

France became U.S. ally

1760   1770   1780
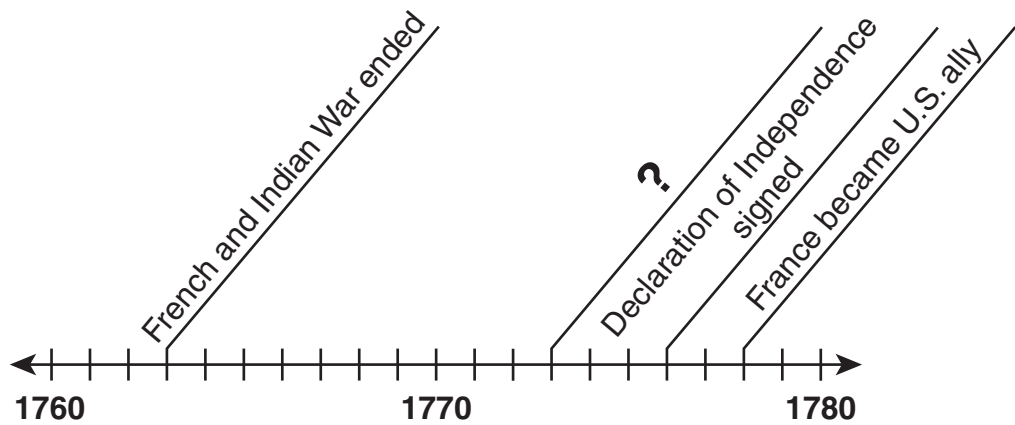
58 **Which event <u>best</u> completes the timeline above?**

    F   Thomas Jefferson made Louisiana Purchase

    G   Pilgrims landed at Plymouth

    H   Boston Tea Party took place

Samantha has a job that pays $800 per week. Her company takes $120 from her weekly pay and sends it to the government for taxes.

---

59 **Which type of taxation is described in the situation above?**

    A   income tax

    B   property tax

    C   sales tax

60 Which of these describes the __main__ contribution of Sam Houston to United States history?

F He explored and mapped the western United States.

G He led the fight for Texas independence from Mexico.

H He led soldiers in the revolution against Great Britain.

61 Which of these was the __first__ document to outline the structure of the United States government?

A Bill of Rights

B Articles of Confederation

C Magna Carta

STOP

Reading/Language Arts
Answer Key

1	C		20	F		39	A		58	H
2	F		21	A		40	G		59	A
3	C		22	H		41	C		60	F
4	G		23	C		42	G		61	B
5	B		24	G		43	B		62	G
6	F		25	B		44	H		63	A
7	A		26	G		45	B		64	H
8	H		27	A		46	F		65	C
9	C		28	F		47	B		66	F
10	G		29	B		48	G		67	B
11	B		30	F		49	B		68	F
12	H		31	C		50	F		69	C
13	A		32	H		51	C		70	F
14	F		33	A		52	H		71	B
15	A		34	F		53	B		72	H
16	H		35	B		54	F		73	B
17	C		36	G		55	A			
18	H		37	A		56	F			
19	B		38	H		57	B			

Mathematics
Answer Key

1	A
2	H
3	C
4	G
5	C
6	F
7	C
8	G
9	A
10	G
11	C
12	G
13	A

14	G
15	B
16	H
17	C
18	H
19	A
20	H
21	B
22	F
23	C
24	G
25	A
26	G

27	C
28	G
29	B
30	F
31	A
32	H
33	A
34	H
35	A
36	G
37	A
38	F
39	A

40	G
41	A
42	H
43	C
44	F
45	C
46	G
47	C
48	H
49	B
50	H
51	C

Science
Answer Key

1	A		17	B		33	A		49	A
2	H		18	H		34	G		50	H
3	A		19	B		35	C		51	B
4	H		20	H		36	H		52	F
5	B		21	C		37	A		53	B
6	F		22	G		38	F		54	F
7	C		23	C		39	C		55	B
8	G		24	H		40	H		56	H
9	B		25	A		41	A		57	A
10	F		26	F		42	G		58	F
11	A		27	C		43	C		59	B
12	H		28	F		44	F		60	H
13	B		29	A		45	B		61	B
14	G		30	H		46	G			
15	B		31	B		47	B			
16	F		32	G		48	H			

Social Studies
Answer Key

1	C		17	C		33	C		49	C
2	H		18	F		34	G		50	F
3	A		19	B		35	A		51	C
4	H		20	G		36	G		52	G
5	A		21	B		37	A		53	C
6	F		22	F		38	H		54	G
7	B		23	C		39	C		55	C
8	H		24	F		40	F		56	F
9	B		25	C		41	A		57	B
10	F		26	F		42	G		58	H
11	C		27	B		43	A		59	A
12	G		28	G		44	G		60	G
13	B		29	A		45	C		61	B
14	G		30	H		46	H			
15	B		31	B		47	C			
16	F		32	F		48	F			

Tennessee Comprehensive Assessment Program

Modified Academic Achievement Standards ~ Grade 8 Practice Test